2022-2023

NAVIGATOR

Lindbergh High School

Student Guide to Academic and Career Success

LINDBERGH HIGH SCHOOL

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GENERAL INFORMATION

A+ SCHOLARSHIP PROGRAM

The A+ Scholarship Program provides scholarship funds to eligible graduates of A+ designated high schools who attend a participating public community college or technical school, or certain private two-year technical schools. Lindbergh High School students are eligible for the A+ Scholarship Program if they meet the following requirements:

- Be a U.S. citizen, eligible non-citizen or lawfully present in the United States
- Attend a designated A+ high school for three years prior to graduation
- Enter into a written agreement with Lindbergh High School prior to graduation
- Graduate with an overall non-weighted grade-point average of 2.5 or higher on a 4.0 scale
- Have at least a 95 percent overall attendance record for grades 9-12
- Perform at least 50 hours of unpaid tutoring or mentoring in an academic area, of which 12.5 hours may be job shadowing
- Maintain a record of good citizenship and avoid the unlawful use of drugs and alcohol
- Achieve a score of proficient or advanced on the Algebra 1 end-of-course exam or above a qualifying math ACT score.

Visit the Missouri Department of Higher Education website to learn more about the A+ Scholarship Program.

ATHLETIC ELIGIBILITY

A student must be currently enrolled in courses that offer at least 3.0 units of credit, and must have earned at least 3.0 units of credit the previous semester. All incoming freshmen gain eligibility to participate in athletics in their first high school semester.

A student who was academically ineligible the preceding semester, but meets the academic standards at the close of that semester becomes eligible the first day he or she attends classes in the succeeding semester. Visit the LHS Athletics website for a complete list of eligibility requirements.

ELECTIVE

A course which a student chooses to take, but is not specifically required for graduation.

GRADING SYSTEM

Lindbergh High School students are graded in terms of the marks shown below:

A, B, C, D, F, and the following special codes:

I - Incomplete: Work must be completed by the end of the following quarter or the grade automatically becomes an F.

NC - No Credit: Does not count toward grade-point average. A student is not allowed more than five (5) unexcused absences from school per semester. Thereafter, the student will receive No Credit (NC) for that course. If the student is failing the course at the end of the semester, an F is given, and the F will override the NC.

P/F - A student may take a course for Pass/Fail only with the approval of the principal.

GRADE-POINT AVERAGE

The student's grade-point average (GPA) will be figured on the basis of semester grades in all subjects. No quarter grades will be used to determine GPA. Letter grades will be given the following values and then averaged to determine GPA. A = 4 points, B = 3 points, C = 2 points, D = 1 point, F = 0 points. Students enrolled in honors, AP, and IB courses receive an extra grade point for a grade of A, B or C.

GRADUATION WITH HONORS

The Graduation with Honors distinction recognizes students that have achieved a high cumulative grade-point average throughout high school. Effective with the class of 2023.

- **Cum Laude:** 3.5-3.7 GPA
- **Magna Cum Laude:** 3.8-3.9 GPA
- **Summa Cum Laude:** 4.0+ GPA

PREREQUISITE

A course that must be successfully completed before another related course may be taken.
Example: Algebra 1 or Algebra 1B must be passed before Geometry can be taken.

REPEATING A COURSE

A student may repeat a course previously passed for no credit with permission of the principal. Both the original grade and the repeat grade will be used to determine the student's GPA.

REQUIRED COURSE

A course which is required by either the Missouri Department of Elementary and Secondary Education or Lindbergh High School for graduation.

SEMESTER FAILURE

If a student fails either semester of a course, and passes the other, credit will be given only for the semester passed. Math and modern language cannot be continued in the second semester if a student fails the first semester.

SUMMER SCHOOL

A summer school program is conducted at Lindbergh High School. The program begins approximately the second week in June and ends approximately the third week in July. The program is offered at no cost to resident students. Incoming ninth graders are eligible to take summer school courses. Registration materials will be made available in February.

TRANSCRIPT

Official report of your semester grades, attendance, and GPA (weighted and unweighted).

TRANSFER OF CREDIT

A student transferring to Lindbergh High School from an unaccredited school (public, private or homeschool) must demonstrate knowledge of completed coursework. An interview and/or assessment with the respective Department Chair will take place to assess the student's knowledge of the curriculum. A letter grade will be assigned based on the proficiency level for each course and appropriate credit will be awarded.

UNIT OF CREDIT

One unit of credit is earned for successfully completing two semesters of work. Courses meeting daily for one semester earn one-half (0.5) credit.

GRADUATION REQUIREMENTS

A student must meet all requirements of the Lindbergh Schools Board of Education and the State of Missouri to earn a Lindbergh High School diploma.

24 UNITS OF CREDIT IN THE FOLLOWING AREAS

4.0 English
Required Courses: English 1, English 2, English 3, English 4 or equivalent

3.0 Mathematics
Minimum Required Courses: Algebra 1A, Algebra 1B, Geometry

3.0 Science
Minimum Required Courses: Biology A, Biology B, Physical Science

3.0 Social Studies
Required Courses: World History, U.S. Government and Politics, U.S. History
(Students must pass the U.S. and Missouri Constitution and U.S. Civics exams for graduation. Constitution exams are administered during the U.S. Government and Politics course. The Civics exam is administered during the U.S. History course.)

1.0 Fine Arts
Includes Music, Performing Arts, and/or Visual Arts

1.0 Practical Arts
Includes Business, Computer Programming, Driver Education, Engineering Technology, Family and Consumer Sciences, Project Lead the Way Engineering, and/or Project Lead the Way Biomedical Science

1.0 Physical Education
Required Course: Personal Fitness Concepts

0.5 Heath

0.5 Personal Financial Management
Four Options:
- Personal Financial Management Course
- Embedded Course Credit
- Test out with a 90 percent or higher
- Take Personal Financial Management as an online course

7.0 Electives*
Any course not specifically required for graduation

24 TOTAL UNITS OF CREDIT

**Although Modern Language is not required for graduation, several colleges and universities require two years of the same language for admittance.*

HONORS PROGRAM

Lindbergh High School offers honors classes, the Advanced Placement (AP) Program, and the International Baccalaureate (IB) Diploma Program. These programs are designed for motivated students who want to challenge themselves academically.

HONORS CLASSES

Honors classes are offered in all core subject areas and Modern Language for grades 9-10. Students planning to take AP or IB courses in their last two years of high school are strongly encouraged to enroll in honors classes during their first two years of high school. Students enrolled in AP and IB courses are expected to take AP and IB exams offered in May.

ADVANCED PLACEMENT

The AP Program is a cooperative educational endeavor of secondary schools, colleges and the College Board. AP offers rigorous courses and exams in a variety of content areas. Most AP exams cover the equivalent of a full-year college course.

ADVANCED PLACEMENT COURSES

AP English Literature
AP Language
AP Music Theory
AP Drawing
AP Calculus AB
AP Calculus BC
AP Statistics
AP French 5
AP Spanish 5
AP German 5
AP Macro Economics
AP Micro Economics
AP Computer Science A
AP Computer Science Principles
AP Biology 2
AP Environmental Science
AP Chemistry 2
AP Physics 1
AP Physics 2
AP Physics C: Mechanics
AP U.S. Government and Politics
AP U.S. History
AP Human Geography
AP Psychology
AP World History

AP CAPSTONE

AP Capstone is an innovative diploma program from College Board that equips students with the independent research, collaborative teamwork and communication skills that are increasingly valued by colleges. AP Capstone is built on the foundation of two AP courses - AP Seminar and AP Research - and is designed to complement and enhance the in-depth, discipline-specific study experienced in other AP courses.

The AP Capstone program aims to empower students by:

- engaging them with rigorous college-level curricula focused on the skills necessary for successful college completion;
- extending their abilities to synthesize information from multiple perspectives and apply skills in new situations and cross-curricular contexts;
- enabling them to collect and analyze information with accuracy and precision;
- cultivating their abilities to craft, communicate, and defend evidence-based arguments; and
- providing opportunities for them to practice disciplined and scholarly research skills while exploring relevant topics that appeal to their interests and curiosity.

INTERNATIONAL BACCALAUREATE *(The class of 2023 is the final cohort for this program at LHS)*

The International Baccalaureate Diploma Program is a rigorous pre-university course of study that meets the needs of highly motivated secondary school students. The two-year program contains six academic areas surrounding a core. Subjects are studied concurrently and students are exposed to the two great traditions of learning: Humanities and Sciences.

SIX AREAS

- Language A - Native language of the student (English)
- Language B - Student choice of Spanish, German or French
- Global Politics
- Biology, Chemistry or Physics
- Calculus or Math Studies
- One of the following:
    - A second Modern Language
    - A second Science
    - IB Computer Science Solutions
    - IB Theatre Arts
    - IB Business and Management

THREE REQUIREMENTS OF THE IB CORE

- Theory of Knowledge (TOK) is an interdisciplinary course intended to stimulate critical reflection upon the knowledge and experience gained inside and outside the classroom. The course seeks to develop a coherent approach to learning which transcends and unifies the academic subjects and encourages appreciation of others' cultural perspectives.
- Extended Essay of 4,000 words on a subject chosen by the student.
- Creativity, Action, Service (CAS) hours are required to develop awareness, concern and the ability to work cooperatively with others.

The IB Diploma Program exams are offered in May. Students who receive a minimum total of 24 points on the exams and satisfactory completion of the Extended Essay, TOK and CAS hours are awarded diplomas in July. Students who do not wish to pursue the diploma may receive a certificate in individual courses by passing the specific IB exam.

INTERNATIONAL BACCALAUREATE COURSES

IB English Literature
IB Theatre Arts
IB Calculus AB
IB Mathematics: Applications and Interpretation
IB French 5
IB Spanish 5
IB German 5
IB Business Management
IB Computer Science Solutions
IB Biology 2

IB Chemistry 2
IB Global Politics
IB Theory of Knowledge

DROPPING AN HONORS COURSE

All students are expected to stay in an honors course until the end of the semester. Students who drop an honors course may do so only between mid-quarter and the end of the first quarter, by following a prescribed procedure. Students will remain in the honors course until the procedure is complete. All grades earned in an honors course will be averaged into the grades of the new class. Because of graduation credit requirements, students with a semester failure in an honors course will be removed from the course.

COLLEGE AND CAREER PLANNING

SCHOOLINKS

Students and parents will have access to a career and college readiness tool called SchooLinks. SchooLinks serves as a college and career readiness platform that helps students connect their academic achievement to post-secondary goals. The path to college and career readiness begins with self-discovery. Through self-discovery and collaboration with parents, teachers and school counselors, SchooLinks enables students to find college and career pathways that are right for them. SchooLinks helps students explore their strengths and areas of interest, and matches those skills with college and career options.

Students start their career and college exploration by:

- Setting personalized goals
- Assessing personal strengths
- Exploring career options based on interests
- Searching for colleges
- Requesting transcripts
- Applying for scholarships
- Tracking their admissions status

SchooLinks helps students plan a course of action to reach their goals, find resources to prepare academically, and discover their own path.

MISSOURI CONNECTIONS

Students will use Missouri Connections to create the Individualized Career and Academic Plan (ICAP). The ICAP is a plan of study to guide students through the coursework and activities for achieving personal career goals, post-secondary planning and providing individual pathway options. An ICAP is a multi-year process, beginning no later than the eighth grade, that intentionally guides students and families in the exploration of career, academic and multiple post-secondary opportunities to include *direct access to the workforce *military *tech school/area career center *vocational training (apprenticeship), *2 year college and *4 year college. An ICAP is a "roadmap" to help students develop the awareness, knowledge, attitudes, and skills to create their own meaningful pathways to be success ready graduates.

COLLEGE ENTRANCE

Students interested in attending college should follow college entrance requirements and course recommendations as much as possible. Graduation from high school does not ensure that a student has completed all courses necessary for college entrance. Each college has its own requirements. Counselors are available to help you plan your program and achieve your goals.

TYPICAL COLLEGE ADMISSIONS PATTERNS

- **Highly Selective:** Harvard, Yale, Brown
    - **Recommended:** English (4), Math (4), Science (4), Social Studies (4), Modern Language (3-4)
- **Selective:** Loyola, Truman, Purdue, SLU
    - **Recommended:** English (4), Math (4), Science (3-4), Social Studies (3-4), Modern Language (2-3)
- **Traditional:** Mizzou, UMSL, Lindenwood
    - **Recommended:** English (4), Math (3), Science (3-4), Social Studies (3). Modern Language (2)
- **Community College, Technical School:** STLCC, Ranken
    - **Recommended:** English (4), Math (3), Science (3), Social Studies (3)

NATIONAL COLLEGIATE ATHLETIC ASSOCIATION (NCAA)

Student-athletes must meet NCAA requirements in order to participate in a sport at the college level. Please check the NCAA Eligibility Center and the links below for the most current information.

- Play Division I Sports
- Play Division II Sports
- Play Division III Sports

NATIONAL ASSOCIATION OF INTERCOLLEGIATE ATHLETICS (NAIA)

The NAIA Eligibility Center will determine your eligibility based on your academic records and additional information you provide.

CAREER PATHWAYS

ARTS AND COMMUNICATIONS

These occupations are related to the humanities and the performing, visual, literary, and media arts. They may include architecture, graphic design and production, interior design, fashion design, film, fine arts, journalism, creative writing, language, radio, television, advertising, and public relations.

CAREER CLUSTERS: Arts, A/V Technology and Communication

BUSINESS MANAGEMENT AND TECHNOLOGY

These occupations are related to the business environment. They may include entrepreneurship, sales, marketing, computer and information systems, finance, accounting, personnel, economics, and management.

CAREER CLUSTERS: Information Technology; Finance; Marketing, Sales and Services; Business, Management and Administration

HEALTH SERVICES

These occupations are related to the promotion of health and treatment of disease. They may include research, prevention, treatment, and related technologies.

CAREER CLUSTERS: Health Sciences

HUMAN SERVICES

These occupations are related to economic, political and social systems. They may include education, government, law and law enforcement, leisure and recreation, military, religion, childcare, and social services.

CAREER CLUSTERS: Human Services; Hospitality and Tourism; Government and Public Administration; Law, Public Safety, Corrections and Security; Education and Training

INDUSTRIAL AND ENGINEERING TECHNOLOGIES

These occupations are related to the technologies necessary to design, develop, install or maintain physical systems. They may include engineering, manufacturing, construction, service, and related technologies.

CAREER CLUSTERS: Science, Technology, Engineering and Mathematics; Architecture and Construction; Manufacturing; Transportation, Distribution and Logistics

NATURAL RESOURCES

These occupations are related to the environment and natural resources. They may include agriculture, earth science, environmental sciences, fisheries, forestry, horticulture, and wildlife.

CAREER CLUSTERS: Agriculture, Food and Natural Resources

DUAL CREDIT OPPORTUNITIES

The following courses may be offered for dual credit. A dual credit course is taught at Lindbergh High School by Lindbergh faculty. Students may earn college credit through a post-secondary institution if they meet the eligibility requirements and pay course fees. Dual credit offerings may change from year to year.

St. Louis Community College

- College Composition 1 and Composition 2
- College Algebra and Trigonometry
- Earth Science
- College Algebra **(Math 160/170) B or better in previous math course**
- Pre-Calculus **(Math 180) C or better in previous math course**
- IB Business Management
- IB Global Politics
- AP US History

Missouri University of Science and Technology

- PLTW Engineering*
- PLTW Biomedical Science*

University of Missouri- St. Louis

- Child Development 2

Missouri State University

- Personal Financial Management
- Marketing II

Saint Louis University 1818 Program

- AP French 4 and 5
- AP German 4 and 5
- AP Spanish 4 and 5

*Successful completion of Project Lead The Way courses can earn college credit from many universities nationwide. College credit typically requires completion of more than one course in a sequence and passing scores on end-of-course exams.

COLLEGE CREDIT COURSE ENROLLMENT REQUIREMENTS

Requirements for Students (all GPA requirements are unweighted)

- Completing placement testing, and meeting established cut scores for college-level English, reading and math. ACT, SAT or Accuplacer scores may waive all or some portions of the placement. Multiple measures using high school cumulative grade-point average may also determine a student's eligibility in some cases.

- 11th and 12th graders must have:
    - 3.0 GPA or higher
    - 2.5-2.99 GPA requires signed letter from principal or counselor AND written permission from parent or guardian

- 10th graders must have:
    - 3.0 GPA
    - Letter from principal or counselor
    - Written parent or guardian permission

- 9th graders must have:
    - 3.0 GPA
    - Letter from principal or counselor

- Written parent or guardian permission
- Score in 90th percentile on ACT/SAT

CORE 42

Missouri Senate Bill 997 ensures that all general education courses are fully transferable to all public colleges and universities in Missouri. This statewide framework is called CORE 42, and all courses that are included in this framework are identified in the catalog and in the course schedule with a Missouri Transfer (MOTR) number. Students who complete all 42-credit hours will have CORE 42 noted on their transcript. CORE 42 provides a special reassurance that each course with a MOTR number taken at St. Louis Community College will transfer as the same course to any public college or university in the state.

CHOICE PROGRAMS

Lindbergh High School Choice Programs provide opportunities for 11th and 12th grade students to learn off-campus in settings that prepare them for college and careers. Most Choice Programs result in high school credit, and some may additionally award college credit. Students interested in any of the Choice Programs should speak with their school counselor.

EARLY COLLEGE

Early College allows a unique experience for rising juniors and seniors. Students participating in this experience complete their junior and senior years of high school at St. Louis Community College. Students earn credits toward their high school diploma and Associate of Arts degree simultaneously. At the end of the student's senior year in high school, the student can hold a diploma and an associate's degree and be ready for transfer to a four-year college or university. Participation in the program is dependent on the number of applicants and available district funding.

Associate of Arts - General Transfer Studies
St. Louis Community College offers an Associate of Arts - General Transfer Studies degree program for those students who seek to move from the community college to a four-year college or university. This is the program of study for most students involved in an early college program because it offers the broad base of study that completes high school studies and prepares students for transfer. This program is 60 credit hours and is based around the state framework of transferable courses known as CORE 42 which serves as general education courses.

CENTERS FOR ADVANCED PROFESSIONAL STUDIES (CAPS)

The St. Louis Centers for Advanced Professional Studies (CAPS) is an opportunity for high school juniors and seniors to engage in personalized learning experiences outside of a traditional classroom setting. Students learn directly from business and industry professionals in authentic workplace environments, including medical labs, engineering firms and small business incubators. CAPS participants are immersed in a professional culture, using industry standards, teamwork, critical thinking and creativity to solve real-world problems. Acceptance in the program is application-based. Several CAPS strands offer a dual credit option through regional colleges and universities.

SCHOOL FLEX

School Flex allows juniors or seniors to be employed or attend off-campus college, technical or professional programs while still being considered full-time students at Lindbergh High School. The student's off-campus plans must align with their individual career and academic plan (ICAP).

- **Dual Enrollment** allows seniors to attend college part-time and earn college credit while still in high school, while still taking some courses at LHS. Students must have a minimum 2.0 GPA. The student is responsible for applying to college and completing all the steps in the admission process. In addition, students are responsible for the cost of the course and providing their own transportation. Students do not receive LHS credit for course work.

- **Technical/Career Education or Employment** that is aligned with the student's ICAP may qualify for the School Flex Program. Examples would include technical training or other work-based learning. The student must provide a rationale for the program as well as evidence of participation and attendance.

- **Internship/Apprenticeship** enrollment allows juniors and seniors to pursue work-based learning and learn professional skills in a career path of their choosing. Students will spend part of their time on campus learning work-based professional skills and part of their time off-campus in a career exploration, internship/apprenticeship, or service learning experience. Students must apply for the program within one of the six career paths: Arts and Communication; Business, Management, and Technology; Health Services; Human Services; Industrial and Engineering Technology; or Natural Resources and Agriculture.

SOUTH TECHNICAL HIGH SCHOOL

South Technical High School offers hands-on training in a variety of career and technical education programs. Students have the opportunity to investigate career interests prior to college and begin a career right after high school graduation. Since it is a public high school, there are no tuition fees or transportation costs.

Who should apply?
Current 10th and 11th grade students who are enrolled and in good standing in academics, attendance and behavior, and students who enjoy learning in a real-world, hands-on environment. Students who want to get involved in their career interest areas now.

How are the programs offered?
Juniors attend a two-year specific training program in one specific field of their choice. Seniors attend a one-year specific field of their choice, if available.

Half-Day Program
Students take four academic classes at LHS and receive technical training at South Technical High School. Grades from Tech will transfer to LHS as practical art or elective credit and students will receive a Lindbergh High School diploma.

SOUTH TECH PROGRAMS

AUTO COLLISION REPAIR (Grades 11-12)
Offers a curriculum focused on the repair and appearance of the interior and exterior of vehicles. Students learn how to assess, estimate, and repair using modern welding, sanding, masking and painting techniques using the same advanced equipment found in professional auto collision repair companies.

AUTOMOTIVE TECHNOLOGY (Grades 11-12)
Driven by the 4 main systems of vehicle operation - brakes, suspension and steering, engine performance, and electrical/electronics, students will diagnose, service, and repair a wide range of vehicles alongside their ASE certified Master Technician instructor. The classroom includes training in the use of modern diagnostic equipment in preparation for multiple ASE certifications.

CARPENTRY (Grade 12)
Students will build a skill set that includes framing, estimating, roofing, and interior finishing and learn how to read and interpret blueprints. They will build structures using a wide range of professional power tools and carpentry materials while earning apprenticeship and college credit.

CISCO NETWORKING ACADEMY (Grades 11-12)
This academy is an honors course in which students learn how to design, install and troubleshoot complex computer networks. They will navigate a variety of projects as they complete Cisco's online curriculum in preparation for their certification exams.

CONSTRUCTION INNOVATIONS (Grades 11-12)
Students customize a year or semester of construction exploration to match their interests by choosing from a variety of quarter long courses which offer a solid foundation of basic knowledge and experience. Upon completion of the course, students can continue into an Advanced Construction course senior year.

COSMETOLOGY (Grades 11-12)
This is an exclusive high school program offering the same curriculum as a beauty college without tuition costs. All aspects of cosmetology including all hair, nail, and skincare services are included. Students learn in a full-service salon along with classroom instruction from licensed Cosmetologists. By graduation, students will have had the opportunity to earn all of the hours required to take their Missouri State Board certification exam to become a licensed cosmetologist. **Students MUST begin this program at the start of their junior year - no mid-year or senior enrollment is available.

CULINARY ARTS (Grades 11-12)
The Culinary Arts program is taught in a modern, fully equipped, restaurant style kitchen as required by the American Culinary Federation for certification. Students plan, prepare, and cater meals alongside professional chefs in both the classroom, compete at various competitions throughout the year, and participate in exclusive mentorship and shadowing program with some of our region's most recognized culinary leaders.

DENTAL SCIENCES (Grades 11-12)
Students have a clinical experience in the classroom and through internships available during the senior year. Our modern operatory allows students to conduct mock exams and perform X-rays, preventative practices, and emergency care using professional dental equipment.

DESIGN AND ENTREPRENEURSHIP (Grades 11-12)
This engaging program provides students the opportunity to learn the fundamental skills of three dimensional design using cutting edge design software, hands-on building of prototypes of their designs in our State of the Art MAKES lab, and the concepts of design thinking. Throughout the program students will meet entrepreneurs, network with industry professionals and collaborate with their peers to solve real world problems.

EARLY CHILDHOOD EDUCATION (Grades 11-12)
Students become teachers in our certified preschools as they research, create, and implement lesson plans while learning effective preschool teaching techniques. Upon graduation, students will have a portfolio of work to present to colleges and/or employers.

ELECTRICAL TRADES (Grade 12)
Students will learn how to design, stage, and install commercial and residential electrical wiring for power and telecommunications systems. Skills taught include blueprint interpretation, layout, design, and programming equipment and an emphasis on logical thinking.

ELECTRONICS AND ROBOTICS ENGINEERING (Grades 11-12)
Exploring the complex electrical, electronic, mechanical, and robotic components used in manufacturing and industry is the goal of this course. Students will also design and program robots for the annual FIRST Robotics Competition using modern equipment and techniques.

EMERGENCY MEDICAL TECHNICIAN (Grades 11-12)
Real world emergency scenarios aid as students are trained to perform detailed trauma patient assessments using advanced medical and diagnostic equipment. Operation of emergency response and rescue vehicles is also a course component.

FIREFIGHTING (Grades 11-12)
This academy level course allows students to do the bulk of their required Fire Academy hours at the high school level. Using a wide range of firefighting and life-saving equipment, students develop their skills through rigorous mental and physical training while learning the foundational skills required for Fire 1 and Fire 2 certifications.

FLOOR LAYERS MIDDLE APPRENTICESHIP (Grade 12)
Students begin their post-secondary training while in high school in this exclusive apprenticeship. While learning to install hardwood, vinyl, carpet, and ceramic flooring students earn credit that can also lead to an associate's degree shortly after high school graduation. Paid summer internships with licensed contractors are also available.

GRAPHIC DESIGN (Grades 11-12)
A student's passion for art is channeled into advertising and marketing projects using the full Adobe Suite of design software. Through advanced tutorials combined with a study of fonts, color theory, sketching and drawing, students will produce a professional portfolio of their work to share with prospective colleges and employers upon graduation.

HEALTH SCIENCES (Grades 11-12)
This course fully immerses students into healthcare through lab and patient care experiences, college-level academic coursework in anatomy and physiology, and clinical rotations at area hospitals and assisted living facilities. **Students MUST begin this program at the start of their junior year - no mid-year or senior enrollment is available.

HEATING, VENTILATION AND AIR CONDITIONING (Grade 12)
Students learn how to design, install, repair, and maintain residential and commercial refrigeration, heating, and air conditioning systems. Blueprint reading, electrical schematics, and operational sequencing charts are taught in preparation for certification exams.

LAW ENFORCEMENT (Grades 11-12)
Police Academy training is conducted through an array of training exercises, crime scenarios, self-defense, and fitness training. Students will learn conflict mediation and resolution, investigation techniques, and be trained in the use of advanced security related training equipment, including vehicles.

PHARMACY SCIENCES (Grades 11-12)
Using the same advanced equipment as industry professionals, students test and research drug treatments and interactions. Students learn the skills required for careers in retail, hospital, and medical center pharmacies.

PRECISION MACHINING (Grades 11-12)
Students invent, design, and manufacture tools and components for a wide range of production while learning how to use advanced computer controlled technology, 3D printing, and traditional machining skills. Project based learning includes training in MasterCAM and Computer Aided Design (CAD) software.

VETERINARY ASSISTANT (Grades 11-12)
The science of veterinary medicine, including animal care and training, clinical procedures, medical terminology, grooming, and disease prevention are key components of this course. Students interact daily with a wide variety of animals fostered in our facilities and provide their medical care while learning from certified professionals.

WEB AND COMPUTER PROGRAMMING (Grades 11-12)
Students will learn how to write and edit source code and applets using several programming languages including HTML and Java. Students will design, create, and maintain software, databases, and web pages while earning certifications.

WELDING (Grades 11-12)
This competitive program teaches students to design, engineer, build, and troubleshoot complex metal fabrication challenges. Through high-level training and challenging competitions, students perfect modern welding processes while earning welding certifications.

HYBRID COURSE OFFERINGS

HYBRID CONSTRUCTION AND OUTDOOR MAINTENANCE (Grade 11 or 12)
Students will be introduced to safety, building repair, preventative maintenance, general building upkeep, and problem solving. An emphasis on safety will accompany lessons on responding to supervision and following specific instructions. Additionally, they will focus on gaining skills in job seeking, application completion, and interviewing.

HYBRID CONSTRUCTION TRADES (Grade 12)
Students build a skill set that includes framing, estimating, roofing, and interior finishing, learn how to read and interpret blueprints and build structures using a wide range of professional power tools and carpentry materials, and hone employability skills through study of the PACT curriculum.

HYBRID MEDICAL SERVICES (Grade 12)
This medical exploration program will teach foundation skills in the healthcare industry as well as provide students with a variety of field experiences including hospital and long term care settings. Work habits, teamwork, and other employability skills will be emphasized.

HYBRID LIGHT MANUFACTURING (Grade 11 or 12)
This program introduces students to manufacturing skills including welding, precision machining, and fabrication. An overview of safety, equipment operation and problem solving will accompany an emphasis on applied math and measurement skills.

HYBRID INFORMATION TECHNOLOGY (Grade 11-12)
The Hybrid Information Technology program consists of two different one-year exploration programs in the information technology field. The program includes a one-year Networking & Helpdesk emphasis course as well as a one-year Graphics & Coding Emphasis course. Students have the option to participate in one or both of the one-year exploration programs.

NETWORKING AND HELPDESK EMPHASIS (Grade 11 or 12)
Students participating in the Networking and Helpdesk Emphasis will have the opportunity to explore a variety of areas in the information technology field including computer hardware, help desk essential skills, troubleshooting, customer service and networking skills including the Cisco Internet of Everything curriculum.

GRAPHICS AND CODING EMPHASIS (Grade 11 or 12)
Students participating in the Graphics and Coding Emphasis will have the opportunity to explore a variety of areas in the graphics and web design field including Android App Development utilizing MIT's App Developer software, Adobe Illustrator software, foundational coding skills utilizing Launch Code's Discovery curriculum, an introduction to HTML and CSS, as well as an introduction to presentation software.

ALTERNATIVE STUDY PROGRAMS

Lindbergh High School recognizes that students may wish to pursue alternative educational opportunities for a variety of reasons. Only courses offered by an accredited institution will be considered. Students wishing to pursue an alternative course of study should discuss the options with their school counselor.

INDEPENDENT STUDY

The purpose is to allow students who have exhausted all options in a particular course of study to pursue their interests in greater depth for credit. The student who is interested in independent study must work out a contractual program of study with his or her counselor and teacher.

VIRTUAL LEARNING OPPORTUNITIES

The Missouri Course Access Program (MOCAP) offers students equal access to a wide range of high quality courses and interactive online learning that is neither time nor place dependent. Because virtual instruction can be an effective education option for some students, there may be courses available either through a district-provided virtual option or through MOCAP. Please contact your school counselor for more information about virtual learning opportunities.

CREDIT RECOVERY

Credit recovery is a computer-based, alternative education program offered to students who have previously failed one or more classes. Credit recovery allows students to work at their own pace through various online and offline activities. Students may earn a maximum of four credits from the credit recovery program and have two consecutive semesters (including summer school to complete a course). If the course is not completed after two consecutive semesters, the student will receive an F. Credit recovery does not meet NCAA eligibility requirements.

LINDBERGH ACADEMY

Lindbergh Academy is an extension of Lindbergh High School that provides an alternative learning environment for students. A school within a school, Lindbergh Academy is designed to meet each individual student's needs. It is designed to assist students who have experienced limited success in the regular educational setting and see a true need for change in themselves.

How is it the same as LHS?

- Students receive a Lindbergh High School diploma.
- Students participate in Lindbergh High School's graduation ceremony.
- Students follow the Lindbergh Schools Rights and Responsibilities Handbook.
- Students follow Lindbergh High School's attendance policy.
- Students may participate in extracurricular activities and school sponsored events.
- Courses follow the same curriculum objectives.

How is it different?

- Smaller school size (Limited to 75 students)
- Reduced student-teacher ratio
- Hands-on learning; interdisciplinary units in an exploratory 1-1 learning environment
- In-class assignments and supervised study
- Individual, self-paced learning
- Service learning projects required every semester
- Four classes every nine weeks; students can earn 8 credits per year
- Modified daily class schedule

Who should apply?

Students who may be experiencing one or more of the following situations:

- Low motivation for school, both academically and social-emotionally
- Lack of consistency in earning credits
- Potentially able, but lack basic skills

How to apply?

Contact your school counselor for more information.

COURSE SELECTION PROCESS

It is the goal of Lindbergh High School to properly place all students into courses best suited to their needs as individual learners. In several departments, teacher recommendations are made as to which class a student should take within that content area. Because we want our students to be both challenged and successful, it is strongly suggested that students follow teacher recommendations for the courses they should enroll in for the following year.

OVERVIEW AND TIMELINES

- Students will receive registration materials in January.
- Teachers will assist students in selecting appropriate and challenging courses within their specific content areas during class time.
- Students will complete their registration form.
- Students will enter their course selections online via the SIS Portal.
- Schedules will be available the first week of August via the SIS Portal.

SCHEDULE ADJUSTMENTS

Students are expected to read the course descriptions in the Navigator and discuss course offerings with teachers, parents and counselors before submitting their registration form. Students may adjust their course selections prior to the end of the current school year. Schedule adjustments will not be made over the summer or once the new school year begins.

DROPPING A CLASS

Students are expected to be enrolled in seven classes or six classes and a Learning Lab. A student will be allowed to drop a class and enroll in a Learning Lab until the week after mid-quarter ends, during the first and third quarters. Withdrawals from a course into a Learning Lab after the deadline will result in an F in the course for the semester.

9th GRADE COURSE OPTIONS

English
1100 - English 1 (Y) ^
1102 - English 1 Honors (Y) ^
1470 - Reading Strategies 1 (Y) ~
1494 - Introduction to High School Reading (Y) ~
1501 - Speech and Debate (S) ^
1515 - Broadcast Journalism (Y)
1516 - Broadcast Sports Marketing (Y) ~
1596 - Introduction to Journalism and Photojournalism (Y)

English Language Learners: Teacher Placement
1603 - ELL Study Skills (Y) ~
1611 - ELL Beginning (Y) ~
1616 - ELL Intermediate (Y) ~
1615 - ELL Advanced (Y) ~
1618 - ELL World History (Y) ~
1612 - ELL Government (Y) ~
1613 - ELL U.S. History (Y) ~
1619 - ELL Biology (Y) ~

Fine Arts: Music
6350 - Mixed Choir (Y)
6370 - A Cappella Choir (Y) ~
6390 - Concert Treble Choir (Y) ~
6419 - Limelight Show Choir (Y) ~
6420 - Mads Show Choir (Y) ~
6530 - Music Tech 1 (S1)
6531 - Music Tech 2 (S2) ~
6516 - Freshman Band (Y) ~
6631 - Color Guard (S1) ~
6630 - Marching Band (S1) ~
6625 - Freshman Band (S2)
6562 - Freshman Orchestra (Y) ~
6580 - Jazz Ensemble (Y) ~

Fine Arts: Performing Arts
1540 - Theatre Survey (S)
1545 - Acting for the Camera (S)
1560 - Basic Acting (S)

Fine Arts: Visual Arts
6200 - Art and Design (Y)
6245 - Studio Art 1 (S1)
6246 - Studio Art 2 (S2)

General Electives
8600 - STUCO (Y) ~
9000 - Learning Lab (No Credit) (S/Y)
9003 - Gifted Learning Lab (No Credit) (S/Y)
9014 - Lead for Life (Y) ~
9515 - LEAP Innovators and Investigators (S/Y)

Mathematics
3110 - Algebra 1A (Y) ~ ^
3150 - Algebra 1 College Prep (Y) ~ ^
3180 - Geometry Honors (Y) ~ ^
3250 - Geometry College Prep (Y) ~ ^

Modern Language
7210 - French 1 (Y) ^
7220 - French 2 (Y) ~ ^
7222 - French 2 Honors (Y) ~ ^
7510 - Spanish 1 (Y) ^
7520 - Spanish 2 (Y) ~ ^
7522 - Spanish 2 Honors (Y) ~ ^
7610 - German 1 (Y) ^
7620 - German 2 (Y) ~ ^
7622 - German 2 Honors (Y) ~ ^

Physical Education and Health
8323 - Health (S)
8100 - Boys Personal Fitness Concepts (S)
8110 - Team and Individual Sports (S) ~
8201 - Girls Personal Fitness Concepts (S)
8210 - Kinetic Wellness (S) ~
8300 - Dance and Fitness Concepts (S) ~
8330 - Basic Weight Training (S) ~
8350 - Female Fitness (S) ~

Practical Arts: Aviation
5860 - Aviation 1 (S)

Practical Arts: Business
1515 - Broadcast Journalism (Y)
1516 - Broadcast Sports Marketing (Y) ~
5290 - Introduction to Business (S)
5300 - Career Explorations (S)
5380 - Microsoft Office 1 (S)
5383 - Microsoft Office 2 (S) ~

Practical Arts: Computer Science
3451 - Computer Science Algorithms (S1)
3470 - Computer Science Applications (S2) ~
3495 - Web and Design 1 (S1)
3496 - Web and Design 2 (S2) ~
3500 - AP Computer Science Principles (Y)

Practical Arts: Driver Education
5850 - Driver Ed 1 (S)

Practical Arts: Family and Consumer Sciences
5690 - Foods 1 (S)
5700 - Foods 2 (S) ~
5745 - Introduction to Sewing (S)
5755 - Sewing 2 (S) ~
5770 - Child Development 1 (S)
5775 - Child Development 2 (S) ~
5785 - Fashion and Interior Design (S)
5790 - Relationships (S)

Practical Arts: PLTW Biomedical
5570 - Principles of Biomedical (Y)

Practical Arts: PLTW Engineering
5560 - Introduction to Engineering Design (Y)

Science
4200 - Biology (Y) ^
4202 - Biology Honors (Y) ^
4205 - Biology A (Y) ^

Social Studies
2200 - World History (Y) ^
2202 - World History Honors (Y) ~ ^

(Y) = Year-long course
(S) = Semester-long course
~ = Prerequisite required
^ = NCAA course

10th GRADE COURSE OPTIONS

English
1200 - English 2 (Y) ~ ^
1202 - English 2 Honors (Y) ~ ^
1652 - AP Seminar (Y)
1340 - Yearbook (Y) ~
1350 - Pilot Newsmagazine (Y) ~
1470 - Reading Strategies 1 (Y) ~
1501 - Speech and Debate (S) ^
1515 - Broadcast Journalism (Y)
1516 - Broadcast Sports Marketing (Y) ~
1596 - Introduction to Journalism and Photojournalism (Y)

English Language Learners: Teacher Placement
1603 - ELL Study Skills (Y) ~
1611 - ELL Beginning (Y) ~
1616 - ELL Intermediate (Y) ~
1615 - ELL Advanced (Y) ~
1618 - ELL World History (Y) ~
1612 - ELL Government (Y) ~
1613 - ELL U.S. History (Y) ~
1619 - ELL Biology (Y) ~

Fine Arts: Music
6350 - Mixed Choir (Y)
6370 - A Cappella Choir (Y) ~
6390 - Concert Treble Choir (Y) ~
6419 - Limelight Show Choir (Y) ~
6420 - Mads Show Choir (Y) ~
6445 - AP Music Theory (Y)
6530 - Music Tech 1 (S1)
6531 - Music Tech 2 (S2) ~
6560 - Chamber Orchestra (Y) ~
6564 - Symphony Orchestra (Y) ~
6580 - Jazz Ensemble (Y) ~
6630 - Marching Band (S1) ~
6631 - Color Guard (S1) ~
6632 - Learning Lab and Band (S1) ~
6602 - Symphonic Band (S2) ~
6604 - Concert Band (S2) ~
6690 - Percussion (S2) ~

Fine Arts: Performing Arts
1540 - Theatre Survey (S)
1545 - Acting for the Camera (S)
1560 - Basic Acting (S)
1563 - Advanced Theatre (S) ~

Fine Arts: Visual Arts
6200 - Art and Design (Y)
6245 - Studio Art 1 (S1) ~
6246 - Studio Art 2 (S2) ~
6247 - Studio Art 3 (S1) ~
6248 - Studio Art 4 (S2) ~
6253 - Fibers and Crafts 1 (S) ~
6254 - Fibers and Crafts 2 (S) ~
6275 - Ceramics 1 (S) ~
6276 - Ceramics 2 (S) ~
6290 - Digital Art (S) ~

General Electives
8600 - STUCO (Y) ~
9000 - Learning Lab (No Credit) (S/Y)
9003 - Gifted Learning Lab (No Credit) (S/Y)
9014 - Lead for Life (Y) ~
9090 - Writing Center (No Credit) (S/Y) ~
9515 - LEAP Innovators and Investigators (S/Y)

Mathematics
3110 - Algebra 1A (Y) ~ ^
3120 - Algebra 1B (Y) ~ ^
3150 - Algebra 1 College Prep (Y) ~ ^
3180 - Geometry Honors (Y) ~ ^
3205 - Geometry (Y) ~ ^
3250 - Geometry College Prep (Y) ~ ^
3305 - Algebra 2 College Prep (Y) ~ ^
3310 - Algebra 2 Honors (Y) ~ ^

Modern Language
7210 - French 1 (Y) ^
7220 - French 2 (Y) ~ ^
7222 - French 2 Honors (Y) ~ ^
7230 - French 3 (Y) ~ ^
7232 - French 3 Honors (Y) ~ ^
7510 - Spanish 1 (Y) ^
7520 - Spanish 2 (Y) ~ ^
7522 - Spanish 2 Honors (Y) ~ ^
7530 - Spanish 3 (Y) ~ ^
7532 - Spanish 3 Honors (Y) ~ ^
7610 - German 1 (Y) ^
7620 - German 2 (Y) ~ ^
7622 - German 2 Honors (Y) ~ ^
7630 - German 3 (Y) ~ ^
7632 - German 3 Honors (Y) ~ ^

Physical Education and Health
8323 - Health (S)
8100 - Boys Personal Fitness Concepts (S)
8110 - Team and Individual Sports (S) ~
8201 - Girls Personal Fitness Concepts (S)
8210 - Kinetic Wellness (S) ~
8300 - Dance and Fitness Concepts (S) ~
8330 - Basic Weight Training (S) ~
8340 - Advanced Strength and Conditioning (S) ~
8350 - Female Fitness (S) ~

Practical Arts: Aviation
5860 - Aviation 1 (S)

Practical Arts: Business
5130 - Personal Financial Management (S)
5270 - Graphic Design (S)
5290 - Introduction to Business (S)
5300 - Career Explorations (S)
5310 - Business Personal Law (S)
5380 - Microsoft Office 1 (S)
5383 - Microsoft Office 2 (S) ~
1516 - Broadcast Sports Marketing (Y) ~
5385 - Sports and Entertainment Marketing (S)
5400 - Accounting 1 (Y)
5410 - Entrepreneurship (S)
5460 - Marketing 1 (Y)
5470 - International Business and Marketing (S)

Practical Arts: Computer Science
3451 - Computer Science Algorithms (S1)
3470 - Computer Science Applications (S2) ~
3490 - AP Computer Science A (Y) ~
3495 - Web Design 1 (S1)
3496 - Web Design 2 (S2) ~
3500 - AP Computer Science Principles (Y)

Practical Arts: Driver Education
5850 - Driver Ed 1 (S)

Practical Arts: Engineering Technology
5510 - Product Manufacturing and Construction (Y)
5553 - A+ Certification (Y) ~
5530 - Network+/Server+ Certification (Y) ~
5505 - Technology Help Desk (Y) ~

Practical Arts: Family and Consumer Sciences
5690 - Foods 1 (S)
5700 - Foods 2 (S) ~
5715 - Foods 3 (S) ~
5745 - Introduction to Sewing (S)
5755 - Sewing 2 (S) ~
5770 - Child Development 1 (S)
5775 - Child Development 2 (S) ~
5785 - Fashion and Interior Design (S)
5790 - Relationships (S)

Practical Arts: PLTW Biomedical
5570 - Principles of Biomedical (Y)
5572 - Human Body Systems (Y) ~

Practical Arts: PLTW Engineering
5560 - Introduction to Engineering Design (Y)
5561 - Principles of Engineering (Y) ~
5565 - Digital Electronics (Y)

Science
4100 - Physical Science (Y) ~ ^
4302 - Chemistry Honors (Y) ~ ^
4210 - Biology B (Y) ~ ^

Social Studies
2490 - AP U.S. Government and Politics (Y) ~ ^
2500 - U.S. Government and Politics (Y) ^

(Y) = Year-long course
(S) = Semester-long course
~ = Prerequisite required
^ = NCAA course

11th GRADE COURSE OPTIONS

English
1300 - English 3 (Y) ~ ^
1305 - English 3 PBL (Y) ~
1441 - AP Language (Y) ~ ^
1442 - AP English Literature (Y) ~ ^
1652 - AP Seminar (Y)
1340 - Yearbook (Y) ~
1350 - Pilot Newsmagazine (Y) ~
1360 - Introduction to Philosophy (S)
1480 - Reading Strategies 2 (Y) ~
1501 - Speech and Debate (S) ^
1515 - Broadcast Journalism (Y)
1516 - Broadcast Sports Marketing (Y) ~
1596 - Introduction to Journalism and Photojournalism (Y)
1701 - Film as Literature (S)

English Language Learners: Teacher Placement
1603 - ELL Study Skills (Y) ~
1611 - ELL Beginning (Y) ~
1616 - ELL Intermediate (Y) ~
1615 - ELL Advanced (Y) ~
1618 - ELL World History (Y) ~
1612 - ELL Government (Y) ~
1613 - ELL U.S. History (Y) ~
1619 - ELL Biology (Y) ~

Fine Arts: Music
6350 - Mixed Choir (Y)
6370 - A Cappella Choir (Y) ~
6390 - Concert Treble Choir (Y) ~
6419 - Limelight Show Choir (Y) ~
6420 - Mads Show Choir (Y) ~
6445 - AP Music Theory (Y)
6530 - Music Tech 1 (S1)
6531 - Music Tech 2 (S2) ~
6560 - Chamber Orchestra (Y) ~
6564 - Symphony Orchestra (Y) ~
6580 - Jazz Ensemble (Y) ~
6630 - Marching Band (S1) ~
6631 - Color Guard (S1) ~
6632 - Learning Lab and Band (S1) ~
6602 - Symphonic Band (S2) ~
6604 - Concert Band (S2) ~
6690 - Percussion (S2) ~

Fine Arts: Performing Arts
1540 - Theatre Survey (S)
1545 - Acting for the Camera (S)
1560 - Basic Acting (S)
1563 - Advanced Theatre (S) ~
1571 - IB Theatre Arts (Y) ~

Fine Arts: Visual Arts
6200 - Art and Design (Y)
6245 - Studio Art 1 (S1) ~
6246 - Studio Art 2 (S2) ~
6247 - Studio Art 3 (S1) ~
6248 - Studio Art 4 (S2) ~
6253 - Fibers and Crafts 1 (S) ~
6254 - Fibers and Crafts 2 (S) ~
6273 - AP Drawing (Y) ~
6275 - Ceramics 1 (S) ~
6276 - Ceramics 2 (S) ~
6290 - Digital Art (S) ~

General Electives
5100 - Internship (Y) ~
8600 - STUCO (Y) ~
9000 - Learning Lab (No Credit) (S/Y)
9003 - Gifted Learning Lab (No Credit) (S/Y)
9014 - Lead for Life (Y) ~
9012 - Link Crew Learning Lab (No Credit) (S/Y) ~
9090 - Writing Center (No Credit) (S/Y) ~
9515 - LEAP Innovators and Investigators (S/Y)

Mathematics
3120 - Algebra 1B (Y) ~ ^
3150 - Algebra 1 College Prep (Y) ~ ^
3205 - Geometry (Y) ~ ^
3250 - Geometry College Prep (Y) ~ ^
3302 - Algebra 2 (Y) ~ ^
3305 - Algebra 2 College Prep (Y) ~ ^
3310 - Algebra 2 Honors (Y) ~ ^
3352 - Pre-Calculus and Trigonometry (Y) ~ ^
3400 - College Algebra and Trigonometry (Y) ~ ^
3511 - AP Statistics (Y) ~ ^

Modern Language
7210 - French 1 (Y) ^
7220 - French 2 (Y) ~ ^
7222 - French 2 Honors (Y) ~ ^
7230 - French 3 (Y) ~ ^
7232 - French 3 Honors (Y) ~ ^
7241 - French 4 (Y) ~ ^
7242 - French 4 Honors/1818 (Y) ~ ^
7510 - Spanish 1 (Y) ^
7520 - Spanish 2 (Y) ~ ^
7522 - Spanish 2 Honors (Y) ~ ^
7530 - Spanish 3 (Y) ~ ^
7532 - Spanish 3 Honors (Y) ~ ^
7541 - Spanish 4 (Y) ~ ^
7542 - Spanish 4 Honors/1818 (Y) ~ ^
7610 - German 1 (Y) ^
7620 - German 2 (Y) ~ ^
7622 - German 2 Honors (Y) ~ ^
7630 - German 3 (Y) ~ ^
7632 - German 3 Honors (Y) ~ ^
7641 - German 4 (Y) ~ ^
7642 - German 4 Honors/1818 (Y) ~ ^

Physical Education and Health
8323 - Health (S)
8110 - Team and Individual Sports (S) ~
8210 - Kinetic Wellness (S) ~
8300 - Dance and Fitness Concepts (S) ~
8330 - Basic Weight Training (S) ~
8340 - Advanced Strength and Conditioning (S) ~
8350 - Female Fitness (S) ~

Practical Arts: Aviation
5860 - Aviation 1 (S)

Practical Arts: Business
5130 - Personal Financial Management (S)
5270 - Graphic Design (S)
5290 - Introduction to Business (S)
5300 - Career Explorations (S)
5310 - Business Personal Law (S)
5380 - Microsoft Office 1 (S)
5383 - Microsoft Office 2 (S) ~
1516 - Broadcast Sports Marketing (Y) ~
5385 - Sports and Entertainment Marketing (S)
5400 - Accounting 1 (Y)
5405 - Accounting 2 (Y) ~
5410 - Entrepreneurship (S)
5460 - Marketing 1 (Y)
5461 - Marketing 2 (Y) ~
5470 - International Business and Marketing (S)
5480 - IB Business Management (Y)
5490 - AP Economics (Y)

Practical Arts: Computer Science
3451 - Computer Science Algorithms (S1)
3470 - Computer Science Applications (S2) ~
3490 - AP Computer Science A (Y) ~
3493 - IB Computer Science Solutions (Y) ~
3495 - Web Design 1 (S1)
3496 - Web Design 2 (S2) ~
3500 - AP Computer Science Principles (Y)

Practical Arts: Driver Education
5850 - Driver Ed 1 (S)

Practical Arts: Engineering Technology
5510 - Product Manufacturing and Construction (Y)
5553 - A+ Certification (Y) ~
5530 - Network+/Server+ Certification (Y) ~
5505 - Technology Help Desk (Y) ~

Practical Arts: Family and Consumer Sciences
5690 - Foods 1 (S)
5700 - Foods 2 (S) ~
5715 - Foods 3 (S) ~
5745 - Introduction to Sewing (S)
5755 - Sewing 2 (S) ~
5770 - Child Development 1 (S)
5775 - Child Development 2 (S) ~
5777 - Cadet Teaching (S) ~
5785 - Fashion and Interior Design (S)
5790 - Relationships (S)

Practical Arts: PLTW Biomedical
5572 - Human Body Systems (Y) ~
5574 - Medical Interventions (Y) ~

Practical Arts: PLTW Engineering
5560 - Introduction to Engineering Design (Y)
5561 - Principles of Engineering (Y) ~
5562 - Civil Engineering and Architecture (Y)
5565 - Digital Electronics (Y)
5567 - Engineering Design and Development (Y) ~

Practical Arts: South Tech
H5650 AM Tech (Y)
H5651 AM Tech (Y)
H5652 AM Tech (Y)

Science
4100 - Physical Science (Y) ~ ^
4302 - Chemistry Honors (Y) ~ ^
4224 - AP Biology (Y) ~ ^
4270 - Human Anatomy and Physiology (Y) ~ ^
4290 - Environmental Science (Y) ~ ^
4295 - AP Environmental Science (Y) ~ ^
4300 - Chemistry (Y) ~ ^
4324 - AP Chemistry (Y) ~ ^
4400 - Physics (Y) ~ ^
4402 - AP Physics 1 (Y) ~ ^
4410 - Meteorology (S) ~
4120 - Earth Science (Y) ~
4418 - Astronomy (S) ~ ^
5574 - Medical Interventions (Y) ~

Social Studies
2220 - U.S. History (Y) ^
2225 - U.S. History PBL (Y)
2250 - AP/IB U.S. History (Y) ~ ^
2340 - U.S. Law and Society (S) ^
2355 - Women in American History (S) ~
2401 - AP Human Geography (Y) ^
2402 - Geography (S) ^
2410 - Contemporary Issues (S/Y) ^
2430 - General Psychology (Y) ^
2431 - AP Psychology (Y) ~ ^
2450 - Sociology (S) ^
2461 - Humanities (S/Y) ^

(Y) = Year-long course
(S) = Semester-long course
~ = Prerequisite required
^ = NCAA course

12th GRADE COURSE OPTIONS

English
1420 - English 4 Career & Technical Communication (S1) ~
1421 - English 4 - Nonfiction Survey (S1) ~
1422 - English 4 - Creative Writing (S1) ~
1425 - English 4 - Literary Genres - Monster Literature (S2) ~
1426 - English 4 - Literary Genres - Science Fiction (S2) ~
1427 - English 4 - Literary Genres - True Crime (S2) ~
1428 - English 4 - Literary Genres - Contemporary Literature (S2) ~
1412 - College Composition 1 (S1) ~
1414 - College Composition 2 (S2) ~
1441 - AP Language (Y) ~ ^
1442 - AP English Literature (Y) ~ ^
1443 - IB English Literature (Y) ~ ^
1652 - AP Seminar (Y)
1340 - Yearbook (Y) ~
1350 - Pilot Newsmagazine (Y) ~
1360 - Introduction to Philosophy (S)
1470 - Reading Strategies 2 (Y) ~
1501 - Speech and Debate (S)
1515 - Broadcast Journalism (Y)
1516 - Broadcast Sports Marketing (Y) ~
1596 - Introduction to Journalism and Photojournalism (Y)
1701 - Film as Literature (S)

English Language Learners: Teacher Placement
1603 - ELL Study Skills (Y) ~
1611 - ELL Beginning (Y) ~
1616 - ELL Intermediate (Y) ~
1615 - ELL Advanced (Y) ~
1618 - ELL World History (Y) ~
1612 - ELL Government (Y) ~
1613 - ELL U.S. History (Y) ~
1619 - ELL Biology (Y) ~

Fine Arts: Music
6350 - Mixed Choir (Y)
6370 - A Cappella Choir (Y) ~
6390 - Concert Treble Choir (Y) ~
6419 - Limelight Show Choir (Y) ~
6420 - Mads Show Choir (Y) ~
6445 - AP Music Theory (Y)
6530 - Music Tech 1 (S1)
6531 - Music Tech 2 (S2) ~
6560 - Chamber Orchestra (Y) ~
6564 - Symphony Orchestra (Y) ~
6580 - Jazz Ensemble (Y) ~
6630 - Marching Band (S1) ~
6631 - Color Guard (S1) ~
6632 - Learning Lab and Band (S1) ~
6602 - Symphonic Band (S2) ~
6604 - Concert Band (S2) ~
6690 - Percussion (S2) ~

Fine Arts: Performing Arts
1540 - Theatre Survey (S)
1545 - Acting for the Camera (S)
1560 - Basic Acting (S)
1563 - Advanced Theatre (S) ~
1571 - IB Theatre Arts (Y) ~

Fine Arts: Visual Arts
6200 - Art and Design (Y)
6245 - Studio Art 1 (S1) ~
6246 - Studio Art 2 (S2) ~
6247 - Studio Art 3 (S1) ~
6248 - Studio Art 4 (S2) ~
6253 - Fibers and Crafts 1 (S) ~
6254 - Fibers and Crafts 2 (S) ~
6273 - AP Drawing (Y) ~
6275 - Ceramics 1 (S) ~
6276 - Ceramics 2 (S) ~
6290 - Digital Art (S) ~

General Electives
5100 - Internship (Y) ~
8600 - STUCO (Y) ~
9000 - Learning Lab (No Credit) (S/Y)
9003 - Gifted Learning Lab (No Credit) (S/Y)
9014 - Lead for Life (Y) ~
9012 - Link Crew Learning Lab (No Credit) (S/Y) ~
9090 - Writing Center (No Credit) (S/Y) ~
9515 - LEAP Innovators and Investigators (S/Y)

Mathematics
3205 - Geometry (Y) ~ ^
3250 - Geometry College Prep (Y) ~ ^
3302 - Algebra 2 (Y) ~ ^
3305 - Algebra 2 College Prep (Y) ~ ^
3352 - Pre-Calculus and Trigonometry (Y) ~ ^
3400 - College Algebra and Trigonometry (Y) ~ ^
3410 - Algebra 3 (Y) ~ ^
3443 - AP Calculus AB (Y) ~ ^
3444 - IB Calculus AB (Y) ~ ^
3441 - AP Calculus BC (Y) ~ ^
3442 - IB Calculus BC (Y) ~ ^
3511 - AP Statistics (Y) ~ ^
3515 - IB Math: Applications and Interpretation (Y) ~ ^

Modern Language
7210 - French 1 (Y) ^
7220 - French 2 (Y) ~ ^
7222 - French 2 Honors (Y) ~ ^
7230 - French 3 (Y) ~ ^
7232 - French 3 Honors (Y) ~ ^
7241 - French 4 (Y) ~ ^
7242 - French 4 Honors/1818 (Y) ~ ^
7251 - AP French 5 (Y) ~ ^
7252 - IB French 5 (Y) ~ ^
7260 - French 5 (Y) ~ ^
7510 - Spanish 1 (Y) ^
7520 - Spanish 2 (Y) ~ ^
7522 - Spanish 2 Honors (Y) ~ ^
7530 - Spanish 3 (Y) ~ ^
7532 - Spanish 3 Honors (Y) ~ ^
7541 - Spanish 4 (Y) ~ ^
7542 - Spanish 4 Honors/1818 (Y) ~ ^
7551 - Spanish 5 (Y) ~ ^
7553 - AP Spanish 5 (Y) ~ ^
7554 - IB Spanish 5 (Y) ~ ^
7610 - German 1 (Y) ^
7620 - German 2 (Y) ~ ^
7622 - German 2 Honors (Y) ~ ^
7630 - German 3 (Y) ~ ^
7632 - German 3 Honors (Y) ~ ^
7641 - German 4 (Y) ~ ^
7642 - German 4 Honors/1818 (Y) ~
7651 - German 5 (Y) ~ ^
7652 - AP German 5 (Y) ~ ^
7653 - IB German 5 (Y) ~ ^

Physical Education and Health
8323 - Health (S)
8110 - Team and Individual Sports (S) ~
8210 - Kinetic Wellness (S) ~
8300 - Dance and Fitness Concepts (S) ~
8330 - Basic Weight Training (S) ~
8340 - Advanced Strength and Conditioning (S) ~
8350 - Female Fitness (S) ~

Practical Arts: Aviation
5860 - Aviation 1 (S)

Practical Arts: Business
5130 - Personal Financial Management (S)
5270 - Graphic Design (S)
5290 - Introduction to Business (S)
5310 - Business Personal Law (S)
5380 - Microsoft Office 1 (S)
5383 - Microsoft Office 2 (S) ~
1516 - Broadcast Sports Marketing (Y) ~
5385 - Sports and Entertainment Marketing (S)
5400 - Accounting 1 (Y)
5405 - Accounting 2 (Y) ~
5410 - Entrepreneurship (S)
5460 - Marketing 1 (Y)
5461 - Marketing 2 (Y) ~
5470 - International Business and Marketing (S)
5480 - IB Business Management (Y)
5490 - AP Economics (Y)

Practical Arts: Computer Science
3451 - Computer Science Algorithms (S1)
3470 - Computer Science Applications (S2) ~
3490 - AP Computer Science A (Y) ~
3493 - IB Computer Science Solutions (Y) ~
3495 - Web Design 1 (S1)
3496 - Web Design 2 (S1) ~
3500 - AP Computer Science Principles (Y)

Practical Arts: Driver Education
5850 - Driver Ed 1 (S)

Practical Arts: Engineering Technology
5510 - Product Manufacturing and Construction (Y)
5553 - A+ Certification (Y) ~
5530 - Network+/Server+ Certification (Y) ~
5505 - Technology Help Desk (Y) ~

Practical Arts: Family and Consumer Sciences
5690 - Foods 1 (S)
5700 - Foods 2 (S) ~
5715 - Foods 3 (S) ~
5745 - Introduction to Sewing (S)
5755 - Sewing 2 (S) ~
5770 - Child Development 1 (S)
5775 - Child Development 2 (S) ~
5777 - Cadet Teaching (S) ~
5785 - Fashion and Interior Design (S)
5790 - Relationships (S)

Practical Arts: PLTW Biomedical
5574 - Medical Interventions (Y) ~
5576 - Biomedical innovation (Y) ~

Practical Arts: PLTW Engineering
5560 - Introduction to Engineering Design (Y)
5561 - Principles of Engineering (Y) ~
5562 - Civil Engineering and Architecture (Y)
5565 - Digital Electronics (Y)
5567 - Engineering Design and Development (Y) ~

Practical Arts: South Tech
H5640 PM Tech (Y) ~
H5641 PM Tech (Y) ~
H5642 PM Tech (Y) ~

Science
4224 - AP Biology (Y) ~ ^
4231 - AP Biology 2 (Y) ~ ^
4232 - IB Biology 2 (Y) ~ ^
4270 - Human Anatomy and Physiology (Y) ~ ^
4290 - Environmental Science (Y) ~ ^
4295 - AP Environmental Science (Y) ~ ^
4300 - Chemistry (Y) ~ ^
4324 - AP Chemistry (Y) ~ ^
4341 - AP Chemistry 2 (Y) ~ ^
4343 - IB Chemistry 2 (Y) ~ ^
4400 - Physics (Y) ~ ^
4402 - AP Physics 1 (Y) ~ ^
4403 - AP Physics 2 (Y) ~ ^
4405 - AP Physics C: Mechanics (Y) ~ ^
4410 - Meteorology (S) ~
4120 - Earth Science (Y) ~
4418 - Astronomy (S) ~ ^
5574 - Medical Interventions (Y) ~
5576 - Biomedical Innovation (Y) ~

Social Studies
1650 - IB Theory of Knowledge (Y) ~ ^
2265 - IB Global Politics (Y)
2340 - U.S. Law and Society (S) ^
2355 - Women in American History (S) ~
2401 - AP Human Geography (Y) ^
2402 - Geography (S) ^
2410 - Contemporary Issues (S/Y) ^
2430 - General Psychology (Y) ^
2431 - AP Psychology (Y) ~ ^
2450 - Sociology (S) ^
2461 - Humanities (S/Y) ^
2605 - AP World History (Y) ~ ^

(Y) = Year-long course
(S) = Semester-long course
~ = Prerequisite required
^ = NCAA course

SSD COURSE OPTIONS

9601 - Modified English 1
9603 - Modified English 2
9605 - Reading/Writing 11
9612 - Reading/Writing 12
9620 - English Lab 1
9621 - English Lab 2
9613 - Reading Lab
9814 - Modified World History
9812 - Modified U.S. Government
9810 - Modified U.S. History
9800 - Math for Life
9703 - Modified Biology A
9704 - Modified Biology B
9702 - Modified Physical Science
9050 - Human Relations
9880, 9881, 9882 - Work Program/Mod Comm Studies (3 periods)
9875, 9876, 9877, 9878, 9879 - Mod Comm Studies 2 (5 periods)
9870 - COOP (1 credit)
9871 - COOP (2 credits)
9791 - Daily Living (1st hour)
9792 - Daily Living (2nd hour)
9793 - Daily Living (3rd hour)
9794 - Daily Living (4th hour)
9795 - Daily Living (5th hour)
9796 - Daily Living (6th hour)
9797 - Daily Living (7th hour)

ENGLISH

SUGGESTED PATHS OF STUDY

9th Grade: English 1 or English 1 Honors

10th Grade: English 2 or English 2 Honors

11th Grade: English 3, English 3 PBL, AP Literature or AP Language

12th Grade: English 4 (Semester 1 options, Semester 2 options), College Composition 1 and 2, AP Language or AP English Literature

ENGLISH ELECTIVES

AP Seminar (Grades 10-12)

Broadcast Sports Marketing (Grades 9-12)

Broadcast Journalism (Grades 9-12)

Film as Literature (Grades 11-12)

Introduction to High School Reading (Grade 9)

Introduction to Journalism and Photojournalism (Grades 9-12)

Introduction to Philosophy (Grades 11-12)

Pilot Newsmagazine (Grades 9-12)

Reading Strategies 1 (Grades 9-10)

Reading Strategies 2 (Grades 11-12)

Speech and Debate (Grades 9-12)

Yearbook (Grades 10-12)

ENGLISH

REQUIRED

1100 - ENGLISH 1
(9; 1 credit)
English 1 is a survey course in literature and writing. Students will study a variety of genres including short stories, novels, poetry, drama, and non-fiction. Students will develop a strong foundation in writing through practice in paragraph, essay, and research writing, with additional focus on grammar and vocabulary. Students will also experience the value of learning from and with one another in the classroom setting through participation in the form of class discussion and group projects.

1102 - ENGLISH 1 HONORS
(9; 1 credit)
Students in this honors English course are introduced to the fundamentals used for in-depth study of major literary works and a comprehensive approach to written and oral literary analysis. Major assignments include the writing of literary analysis essays and commentaries as well as oral and visual presentations. Grammar, usage mechanics, and sentence writing skills will be integrated with each writing assignment. Close reading and analysis of both literature and nonfiction will enable students to respond to complex literature with sophistication.

1200 - ENGLISH 2
(10; 1 credit; English 1)
This course contains writing from authors around the world and literature about each of the seven continents. Students will read, analyze, and evaluate works, literary devices, techniques, and structural elements. Discussion will emphasize the relationship between literature and culture. In conjunction with the texts from around the globe, students will read letters, speeches, articles, plays, poetry, a biography (from a list), and Lord of the Flies by William Golding. In addition, students will formulate and support a thesis and apply elements of formal essay structure. The intent is to refine and improve writing through use of stylistic techniques and organizational structures. Each quarter covers a variety of genres and themes, including short stories, poetry, drama, research, and rhetorical techniques, with corresponding writing, reading, and technological assignments.

1202 - ENGLISH 2 HONORS
(10; 1 credit; English 1)
English 2 Honors continues the sophisticated study of English Language Arts skills introduced in English 1 Honors. Units focus on the critical reading of short fiction, poetry, novels, and drama; argumentation; the hero archetype; and research. Texts come from the British and classical Greek literary canons. Major writing assignments include narrative, literary analysis, and a research paper. In addition, students participate frequently in class discussions, use various media in creating presentations, and study grammatical structures through a sentence-composing approach. English 2 Honors prepares students for the rigor and complexity of IB and AP English.

1300 - ENGLISH 3
(11; 1 credit; English 2)
This rigorous survey course of American Literature will familiarize students with the common themes and ideas that have developed throughout the literature of the United States through the study of main thematic movements from colonial America to present day. Emphasis is placed on an understanding of major American works and their authors, including an appreciation of multicultural literature, and continued development of reading comprehension for author's purpose, analysis of common literary and rhetorical devices, vocabulary, mechanics, written expression, and oral communication skills. Major assessments include analytical and creative essays, research writing, and presentations. There will also be a focus on test-taking skills to prepare students for the ACT.

1305 - ENGLISH 3 PBL
(11; 1 credit; English 2)
This Project Based Learning (PBL) is a highly collaborative course that promotes the study of English topics, and their connection to the real world. This course will allow students to hone their critical thinking and problem solving skills through a process that emphasizes reflection and revision. Students will learn to write effectively for creative, analytical, and expository purposes, and students will examine, analyze and evaluate literary elements used by authors, playwrights, filmmakers, artists, etc. In addition to these reading and writing skills, students will be given the opportunity to partake in a variety of speaking and listening activities. This course highlights student choice in the learning process: choice in assignment type; choice in assessment type; and most importantly, choice in the revision process. As this course is intended for 11th graders, it will also prepare students for the English and Reading portion of the ACT.

ENGLISH 4 OPTIONS
Students must choose 1 first semester option and 1 second semester option to fulfill graduation requirements.

FIRST SEMESTER ONLY

1420 - English 4--Career & Technical Communication
Students in the English 4 Career and Technical Communication course will build on knowledge and skills learned in previous writing courses and focus on the development of writing techniques required in a professional setting. Students will learn the principles and procedures of technical writing; analyzing audience and purpose, organizing information, designing graphic aids, and writing specialized forms such as résumés, memos, summaries, instructions, and research reports. This course will dedicate focused time to revision, peer feedback and discussion, and the teaching of grammar for accuracy and clarity. Students will produce a number of polished technical pieces and a culminating multimedia presentation.

1421 - English 4--Nonfiction Survey
This college-prep course will help students develop both college- and career-ready skills in the areas of critical reading, composition, critical thinking, and speaking/listening. Students will examine a variety of nonfiction texts and media, as well as composition skills in areas of personal, expository, argumentative and synthesis writing.

1422 - English 4--Creative Writing
Students will explore different forms and techniques of literature by reading and discussing the works of various authors, by practicing and writing their own work, and by work-shopping and critiquing the writing they will generate in this class. To grapple with their own creative process, students will learn terms with which to discuss literary works, organizational methods, and techniques & exercises to spark their imagination & creativity. Through analysis, presentation, and critique of published and peer-generated work, students will advance their understanding of the many forms, styles, and elements of writing, will strengthen their own writing through practice, and will broaden their understanding of literature and various modes of literary writing. Upon successful completion of this course, students will be able to create original literary pieces, and will be able to critique authors' choices in published and peer-generated work.

SECOND SEMESTER ONLY

1425 - English 4--Literary Genres--Monster Literature
This course will study the role and symbolism of monsters in various literary and media texts. In addition to examining traditional literary and genre elements, we will study the ways that monsters function as symbols of divergence from social & cultural norms, manifestations of individual and cultural anxieties/fears, and most importantly, as mirrors of ourselves. The course will examine one full-length work together, and will culminate in a Capstone Project in which students will demonstrate and apply their learning from the year through the genre and research.

1426 - English 4--Literary Genres--Science Fiction
This course seeks to increase student understanding of the literary genre known as Science Fiction. Students will study short stories, novels, film, and television that focus on depicting our future world. The course will guide students through common Sci-Fi topics such as dystopia vs. utopia, artificial intelligence, current theory concerning technology, cloning and physical science, human psychology in a futuristic environment, extraterrestrial life, etc. Most importantly, students will come to understand how such literature comments on current issues in society and presents new, visionary ideas to the public. The course will examine one common full-length work, and will culminate in a Capstone Project in which students will demonstrate their learning from the year by applying research to a chosen piece of Sci-Fi media.

1427 - English 4--Literary Genres--True Crime
In this course students will study the history, genre conventions, and contemporary issues present in true crime using literary and media texts. Students will explore and evaluate the role true crime has played in American culture from colonial times through the present day. Students will consider the presentation of true crime in written, visual, and audio formats and utilize these different modes of presentation to reflect their learning. Students will read one full-length true crime work of their choosing and use it as the basis for their Capstone Project in which they demonstrate their learning from the year through the genre and research.

1428 - English 4--Literary Genres--Contemporary Literature
Contemporary Literature will study various works from the last 20 years. In this course, students will understand how literature reflects cultural attitudes and values through the literary elements that make up an author's craft. Through close reading, discussion, and writing students will examine and analyze recurring themes that reveal essential insights about our modern era. Students will first learn foundational concepts by studying a text together in preparation for a culminating Capstone Project in which students will demonstrate and apply their learning from the year through the genre and research.

1441 - AP LANGUAGE
(11-12; 1 credit; successful completion of previous English classes)
Taught as a college-level freshman composition course, AP Language provides students the opportunity to master advanced reading and writing skills. Students will analyze nonfiction rhetorical modes in subjects such as science, history, journalism, biography, and politics with a strong emphasis on argument writing. While nonfiction is the primary focus, fictional works occasionally supplement the themes and stylistic techniques. Students will also produce their own stylistically mature prose in various rhetorical modes. Upon completion, students are expected to take the Advanced Placement English Language Exam. Juniors may take AP Language to meet their English 3 requirement or seniors may take AP Language to meet their English 4 requirement.

1442 - AP ENGLISH LITERATURE
(11-12; 1 credit; successful completion of previous English classes)
This is a literature, discussion, and composition course. After students read classic and modern literature, they will discuss the material and write short or extensive papers on the works. The texts are supplemented by outside readings and critical sections. This course also serves as the second year in the IB Diploma Program. Seniors may take AP/IB English Literature to meet their English 4 requirement.

1443 - IB ENGLISH LITERATURE
(12; 1 credit; English 3, Pre-AP/IB English 3 or AP Language)
This is a literature, discussion, and composition course. After students read classic and modern literature, they will discuss the material and write short or extensive papers on the works. The texts are supplemented by outside readings and critical sections. This course also serves as the second year in the IB Diploma Program. Seniors may take AP/IB English Literature to meet their English 4 requirement.

1412/1414 - COLLEGE COMPOSITION 1 AND 2
(12; 1 credit; English 3, English 3 PBL, Pre-AP/IB English 3 or AP Language)
This course is designed to meet the writing needs of a wide variety of students in the areas of expository and argument writing, technical and career writing, and everyday writing. The first semester will focus on the elements of clear writing, well-organized expository essays, analytical reading of narrative, nonfiction and media texts, and, when necessary, a review of the principles of grammar. The second semester strengthens students' writing abilities while focusing on the rhetorical aspects of persuasion, argumentation, and criticism for a variety of audiences and purposes. Students will engage in research, synthesize written sources and information, and refine the writing process. While the course focuses on writing and critical thinking hand-in-hand, and it is both writing instruction and "writing intensive," students will also develop reading, discussion, and presentation skills with various nonfiction and literary texts. Seniors may take College Composition 1 and 2 to meet their English 4 requirement.

Students taking this course may be eligible to receive dual-credit through St. Louis Community College. Students must meet all college entrance requirements and pay all fees associated with dual-credit.

ELECTIVES

1652 - AP SEMINAR
(10-12; 1 credit)
AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational, literary, and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments. This course is required for the AP Capstone Diploma.

1516 - BROADCAST SPORTS MARKETING
(9-12; 1 credit; Prerequisites: teacher permission; possible teacher recommendations)
This course will be split between broadcast journalism and marketing education with an emphasis on athletics at Lindbergh High School. This class will provide opportunities for students to engage in real-world learning experiences through a project based curriculum. The broadcast portion allows students to develop skills gained through filming, reporting, basic writing, interviewing, videography, and editing. Students complete various high quality productions related to the district's communications needs while incorporating their own original productions. In this course, students will use the creative process to write scripts for on camera talent and voiceovers. Students will gain experience using industry standard digital video and professional editing equipment. The marketing portion will focus on promoting athletic events at LHS. A heavy focus will be placed on digital marketing, primarily the different channels of social media used by businesses to promote products and events. Students will also design advertising for the new video scoreboard, and will help to sell advertising packages, as needed. When not working directly with the new scoreboard, students will assist in event marketing opportunities throughout the district. This course may count as a Practical Art credit.

1515 - BROADCAST JOURNALISM
(9-12; 1 credit)
This course focuses on broadcast journalism storytelling, video production, and copywriting. Students will participate in a variety of production roles; camera technician, scripting, reporter, anchor, and editor. Technical aspects of filming, reporting and editing will be covered. Students will showcase developed understanding of Adobe Premiere editing software. Satisfactory projects will be shared publicly via LindberghLookup.com as well as Lindbergh Journalism's social media platforms (YouTube, Twitter, Instagram, etc.). This course may count as a Practical Art credit.

1701 - FILM AS LITERATURE
(11-12; .5 credit)
Film, like the printed word, is a powerful means of communication. This course examines how film communicates so students can be more critical of the ideas being presented by this medium. Students will learn to "read" films carefully by exploring film techniques and terms, by discussing movie reviews, writing analyses, critiquing feature films and documentaries, and comparing printed and visual media. Frequent writing and reading assignments are an important part of this course. Good speaking and listening skills are also needed.

1494 - INTRODUCTION TO HIGH SCHOOL READING
(9; 1 credit; placement by administration)
Introduction to High School Reading offers students a unique one-on-one learning opportunity. The Fast Bridge computer program will be utilized to target specific reading weaknesses. Students will participate in a combination of guided mini=lessons and interventions that will focus on specific reading skills, which will provide the student with the intensive practice needed to enhance his or her reading.

1596 - INTRODUCTION TO JOURNALISM AND PHOTOJOURNALISM
(9-12; 1 credit)
This course is designed to teach students to think like a journalist and introduce them to basic writing, reporting, interviewing, photography, design, and editing skills. Using professional style rules, students learn how to write articles in the areas of news, features, editorials, and sports. Additionally, they write leads, headlines, and captions. They also learn key elements in graphic design, photojournalism, multimedia, social media, and advertising. Students will learn to operate a digital SLR camera for using all manual settings. Photographic composition and developing a photographic eye are key outcomes of the course. Photography assignments and activities are based on the principles of both photography and journalism. Students learn production skills such as editing, design, and computer application using inDesign, eDesign, and Photoshop. Furthermore, there is a heavy emphasis on the rights and responsibilities of student journalists. Communication law and media ethics are discussed. No equipment or previous journalism or photography background is needed. This course is strongly recommended for students interested in being on Spirit Yearbook or Pilot Newsmagazine staffs, as it is a primer for all skills used in these two courses. This course may count as a Practical Art credit.

1360 - INTRODUCTION TO PHILOSOPHY
(11-12; .5 credit)
What is the best way to live? Are human beings free? What is moral or immoral? What do we know, and how do we know it? This course introduces these and other perplexing questions which philosophers have discussed for centuries. Class discussion is emphasized. Students will read and analyze written selections from a wide range of thinkers, examining how those ideas resemble their own. Philosophy does not provide answers, but it does stimulate critical thinking. This course may count toward the Fine Arts requirement for graduation.

1350 - PILOT NEWSMAGAZINE
(10-12; 1 credit; application and advisor approval)
In this course, Students use Adobe InDesign to produce Pilot, the school newspaper. Students decide editorial content with guidance from adviser, write and edit stories, take photographs, edit photography, and design/layout pages. The focus is upon learning advanced writing skills. After-school work is required. Students are strongly recommended to take Intro to Journalism (1596) as a prerequisite to this course. Students who are unable to take Intro to Journalism will be provided the opportunity to attend a summer workshop in preparation for publications class. An application and teacher recommendation are required for all students enrolling in the course. This course may count as a Practical Art credit.

1470 - READING STRATEGIES 1
(9-10; 1 credit; placement by administration)

1480 - READING STRATEGIES 2
(11-12; 1 credit; placement by administration)
Reading Strategies is designed for those students who feel they need to increase their reading skills and abilities. The course concentrates on increasing reading comprehension, improving work-study skills, increasing vocabulary, developing a flexible reading rate, and increasing word attack skills.

1501 - SPEECH AND DEBATE
(9-12; .5 credit)
During the first half of the semester, students learn to organize, deliver, and evaluate speeches. The foundation is laid for students to be effective communicators. Emphasis will be placed upon clear organization, investigative research of topics, and audience analysis. Speakers will gain poise and improve delivery through voice, posture, gestures, and eye contact. In the second half of the semester, students will be taught the techniques and rules of traditional debate and will be given the opportunity to apply those techniques.

1340 - YEARBOOK
(10-12; 1 credit; application and advisor approval)
In this course, students create the Spirit Yearbook under the guidance of editors and an adviser. Students will continue to develop journalistic writing skills, as well as learn design and photographic composition skills. Students are expected to edit copy and design. Students will work with each other to develop layouts and create and gather all elements necessary for spreads; photographs, captions, graphics, copy and ethics consistent with responsible journalism. After-school work is required. Students are strongly recommended to take Intro to Journalism (1596) as a prerequisite to this course. Students who are unable to take Intro to Journalism will be provided the opportunity to attend a summer workshop in preparation for publications class. An application and teacher recommendation are required for all students enrolling in the course. This course may count as a Practical Art credit.

ENGLISH LANGUAGE LEARNERS

1611 - ELL BEGINNING
(9-12; 1 credit)
This course is a beginning class for no-English and low English proficiency students with a focus on survival English and building prior knowledge. Placement in this class is determined by WAPT/ACCESS scores and ESL staff recommendation. This course introduces students to basic structures and vocabulary of the English language through skills of reading, writing, speaking, and listening. It focuses on basic vocabulary, grammar, communication skills, reading, study skills, and American culture.

1616 - ELL INTERMEDIATE
(9-12; 1 credit)
An intermediate class for students that are at an English proficiency of 2.0 - 3.5 WIDA score. Placement in this class is determined by WAPT/ACCESS scores and ESL staff recommendation. This course introduces more advanced vocabulary, grammar, communication skills, reading, college readiness, and study skills. Emphasis is placed on improving grade-level reading, writing satisfactory essays, and improving foundations for writing.

1615 - ELL ADVANCED
(9-12; 1 credit)
An advanced class for students that are at an English proficiency of 3.6 + WIDA score. Placement in this class is determined by WAPT/ACCESS scores and ESL staff recommendation. This course focuses on Advanced English, bridging curriculum with the regular English class, and college readiness. Emphasis is placed on improving grade level reading, writing satisfactory essays, and improving foundations for writing a formal research paper.

1603 - ELL STUDY SKILLS
(9-12; 1 credit)
This class is designed to help support students in all of their academic courses. In this class students learn various skills such as: studying, organization, note-taking, and test taking strategies.

1618 - ELL WORLD HISTORY
(9-12; 1 credit)
This ESL History course is a yearlong class that is offered every other year and is designed for the student learning English as a second language at the beginning and intermediate levels. It introduces the student to the vocabulary, concepts, and processes of the social, political, economic, technological, and geographic characteristics of world history between 1350 and present day.

1612 - ELL GOVERNMENT
(9-12; 1 credit)
This ESL History course is a yearlong class that is offered every other year and is designed for the student learning English as a second language at the beginning and intermediate levels. It introduces the student to the vocabulary, concepts, and processes of political, economic, and legal system of the United States, Missouri, and the St. Louis region. Particular focus is given to the constitutions of the United States and Missouri; it is required by law for students to pass the Constitution tests for graduation from high school.

1613 - ELL U.S. HISTORY
(9-12; 1 credit)
The ESL US History course is a yearlong class that is offered every other year and is designed for the bilingual student learning English as a second language at the beginning and intermediate levels. It introduces the student to the vocabulary, concepts, and processes of the political, economic and social development that have shaped the nation. This course connects events and movements related to themes such as equality, economic, and foreign policy.

1619 - ELL BIOLOGY
(9-12; 1 credit)
This ESL Biology course is a yearlong class that is offered every year and is designed for the student learning English as a second language at the beginning and intermediate levels. In this class there are units dealing with microbiology, unique properties of living organisms, non-living components of the environment, and evolution. Along with Biology concepts, fundamental science skills will be taught. This course is a prerequisite for all other biological sciences.

FINE ARTS: MUSIC

MUSIC ELECTIVES

AP Music Theory (Grades 10-12)

Mixed Choir (Grades 9-12)

Music Tech 1 (Grades 9-12)

Music Tech 2 (Grades 9-12)

ADMISSION BY AUDITION OR INSTRUCTOR PERMISSION

A Cappella Concert Choir (Grades 9-12)

Concert Treble Choir (Grades 9-12)

Limelight Show Choir (Grades 9-12)

Mads Show Choir (Grades (9-12)

Chamber Orchestra (Grades 10-12)

Freshman Orchestra (Grade 9)

Symphony Orchestra (Grades 10-12)

Color Guard (Grades 9-12)

Concert Band (Grades 10-12)

Freshman Band (Grade 9)

Jazz Ensemble (Grades 9-12)

Jazz Lab (Grades 9-12)

Learning Lab and Band (Grades 10-12)

Marching Band (Grades 9-12)

Percussion (Grades 10-12)

Symphonic Band (Grades 10-12)

MUSIC

ELECTIVES

6445 - AP MUSIC THEORY
(10-12; 1 credit; general knowledge of music fundamentals)
This yearlong course gives students exposure to the analytical systems of music and the historical aspect of Western European and Non-Western cultures of music. The theory course prepares students for composing and analyzing music as they play or arrange composition. Students learn the fundamentals of music and apply them to various styles of music performance. Students will learn to understand music theory through listening, performing, analyzing, and composing. The Literature/History course allows students to study many styles of music. The course will introduce students to different stylistic periods of music, composers, and instruments, and discover how these played a part in the history of music and the arts. This course covers both Western European and Non-Western cultures with specific studies in music and the role played in those societies. This course will prepare students to take the AP exam.

6350 - MIXED CHOIR
(9-12; 1 credit)
This is a mixed voice performing choir which continues the emphasis on fundamentals with stress on 3-part or more choral literature. Music is performed at a more advanced level from earlier choirs. Attendance is required at performance during the school year. Fundamentals of music are taught along with accepted choral performance practices.

6530 - MUSIC TECH 1
(9-12; .5 credit)
This course will acquaint students with current application of electronic music through the use of the Music Tech lab. Upon completion of the course, students will have a familiarity and a basic working knowledge of piano, composition, computer operation, synthesizers, software, and how they relate to the fields of music performance, commercial music, music education, music composition, the recording industry, and the media.

6531 - MUSIC TECH 2
(9-12; .5 credit; Music Tech 1)
This class is a continuation of Music Tech 1. Through several projects, students will apply their skills in electronic music by creating and editing music scores for music videos, recording live performances, and producing their work. A public performance of class projects may also be presented. Students will research the industry standards for synthesizers, computers, software and sound systems. Off campus visits to a recording studio and music industry sites may also be a part of the course.

ADMISSION BY AUDITION OR INSTRUCTOR PERMISSION

6370 - A CAPPELLA CONCERT CHOIR
(9-12; 1 credit; choral singing experience and ability to read music)
This is a selected choir of balanced mixed voices singing advanced SATB music. Emphasis is on music of all periods and styles. Attendance is required at performances during the school year. Advanced music literacy skills are taught through choral repertoire.

6390 - CONCERT TREBLE CHOIR
(9-12; 1 credit; choral singing experience and ability to read music)
This is a treble voice performing choir which continues the emphasis on fundamentals with stress on SSA or SSAA choral literature. Music fundamental skills will continue to be developed. Attendance is required at performances during the school year.

6419 - LIMELIGHT SHOW CHOIR
(9-12; 1 credit; singing experience and ability to perform choreographed music)
This ensemble is made of treble voices and performs music from all styles. Singing/dancing performances are required throughout the school year. Music skills must be advanced.

6420 - MADS SHOW CHOIR
(9-12; 1 credit; singing experience and ability to perform choreographed music)
This ensemble is made of balanced mixed SATB voices and performs music from all styles. Music skills must be advanced.

6562- FRESHMAN ORCHESTRA
(9; 1 credit; previous orchestra experience)
This year-long course is an introduction to high school orchestra for all freshmen students with 3 or more years prior experience on a string instrument (violin, viola, cello, or double bass). This ensemble provides the foundation for the LHS Orchestra Program as students refine their technique and musicianship in preparation for more difficult repertoire. Through the study of orchestral literature, students will learn the nuances of cultural and historical context as well as a variety of performance styles. The course will consist of several concerts per year, and participation in the State Large Ensemble Festival, our annual evaluative performance. Additional opportunities include participation in Strolling Strings, All-Suburban and All-State Honor Orchestras, and the Solo & Ensemble Festival.

6560 - CHAMBER ORCHESTRA
(10-12; 1 credit; previous orchestra experience)
This course serves as the intermediate high school orchestra ensemble. The curriculum builds on established techniques and ensemble skills while challenging students with inspiring musical selections. Students will have the opportunity to develop more advanced skills that will prepare them for a future Symphony audition, but will also appropriately challenge those who select Chamber as their final ensemble. The course will consist of several concerts per year, and participation in the State large Ensemble Festival, our annual evaluative performance. Additional opportunities include participation in Strolling Strings, All-Suburban and All-State Honor Orchestras, and the Solo & Ensemble Festival.

6564 - SYMPHONY ORCHESTRA
(10-12; 1 credit; enrollment based on live audition)
This course represents the most advanced ensemble of the Lindbergh Schools Strings Program. Students will study challenging original pieces of orchestral literature ranging from baroque to contemporary. Private lessons are strongly encouraged, but not required, for students wishing to take this course. High-level techniques will be used on a regular basis. The course will consist of several concerts per year, and participation in the State Large Ensemble Festival, our annual evaluative performance. Students in this ensemble are strongly encouraged to participate in additional opportunities such as All-Suburban, All-State, Strolling Strings, and Solo & Ensemble Festival.

6631 - COLOR GUARD
(9-12; Semester 1; .75 credit; must meet prerequisite)
Students enrolled in Color Guard will rehearse and perform with the Marching Band. All rehearsals, summer camps, festivals, and performances related to Marching Band apply to this class. Members of the Color Guard must attend additional rehearsals as they relate to their unique role in the band.

6604 - CONCERT BAND
(10-12; Semester 2; .5 credit; previous band experience)
Those selected will be exposed to a medium, medium-advanced level of classic and contemporary band literature as well as a greater continued emphasis on the fundamentals of wind and percussion performance. Several concerts, performances, and festivals held outside of the school day are requirements of persons admitted to this ensemble. Students will also be encouraged to participate in solo and small ensemble festival and audition for honor groups approved by the Missouri State High School Activities Association.

6625 - FRESHMAN BAND
(9; Semester 2; .5 credit; previous band experience)
Freshman band is designed to further develop the student's individual and ensemble technical skills and proficiencies. Through the performance and study of band literature, students will learn history, aesthetics, technical skills and criticism and analysis. Several concerts, performances, and festivals held outside the school day are requirements of this ensemble. Students will also be encouraged to participate in solo and small ensemble festival and audition for honor groups approved by the Missouri State High School Activities Association.

6516 - FRESHMAN BAND
(9; Full Year; 1 credit; previous band experience)
This course is offered for Freshman Band members who do not wish to participate in Marching Band. Freshman band is designed to further develop the student's individual and ensemble technical skills and proficiencies. Through the performance and study of band literature, students will learn history, aesthetics, technical skills and criticism and analysis. Several concerts, performances, and festivals held outside the school day are requirements of this ensemble. Students will also be encouraged to participate in solo and small ensemble festival and audition for honor groups approved by the Missouri State High School Activities Association. Students must be enrolled in this class for the full school year.

6580 - JAZZ ENSEMBLE
(9-12; 1 credit; prior band experience, proficient in reading music, auditions in January)
The Jazz Ensemble explores modern, as well as traditional "Big Band" jazz styles and literature. Students are exposed to modern notation and encouraged to study methods of improvisation. The band offers several concerts and performs for social and civic organizations.

JAZZ LAB
(9-12; Semester 2; .5 credit; prior band experience, proficient in reading music, auditions in September)
Jazz Lab is a developmental ensemble where students can learn about jazz and its various forms, whether traditional or contemporary. Students are also exposed to improvisation concepts at the beginning stage. Jazz Lab is open to all students, but is limited to standard jazz instrumentation. (Trumpet, trombone, saxophone, piano, drum-set, mallets, bass guitar, electric guitar) This class meets daily during zero-hour beginning in early November.

6632 - LEARNING LAB AND BAND
(10-12; Semester 1; .25 credit; previous band experience)
This class is offered for band members who do not wish to participate in Marching Band. During the Marching Band season, the class meets as a learning lab. At the conclusion of the Marching Band season, students will join the appropriate band as determined by their audition.

6630 - MARCHING BAND
(9-12; Semester 1; .75 credit; must meet prerequisite)
The Spirit of St. Louis Marching Band provides the musical entertainment at all home varsity football games. The Band also requires participation in several competitions and performances throughout the fall. Band members will learn and execute the fundamentals of music and marching performance through the preparation of its fall show. A pre-season band camp will begin in late July. During the fall season, daily zero-hour and one evening practice are required for all band members. At the conclusion of the marching season, 10-12 students will join the appropriate band as determined by their audition; ninth grade students will enter freshman band (6625).

To remain eligible, student must take a full year of band and receive higher than an "I" in effort during the previous school year.

6690 - PERCUSSION
(10-12; Semester 2; .5 credit; previous band experience, auditions in February)
This group serves as the percussion section of the Concert Band, and meets second semester only. It meets a different hour than Concert Band due to equipment, staffing and rehearsal space issues. This class is the first tier of percussion study at the high school level, and will expose students to a continuation of percussion studies learned. Percussionists who are not selected for Symphonic Band will be placed in Concert Band Percussion Class by default. This course exposes students to medium to advance percussion and band literature and fundamentals. Several performances held outside the school day and occasional rehearsals are required.

6602 - SYMPHONIC BAND
(10-12; Semester 2; .5 credit; previous band experience)
Those selected will be exposed to an advanced level of classic and contemporary band literature as well as a greater continued emphasis on the fundamentals of wind and percussion performance. Several concerts, performances, and festivals held outside of the school day are requirements of persons admitted to this ensemble. Students will also be encouraged to participate in pep band, solo, and small ensemble festival, and audition for honor groups approved by the Missouri State High School Activities Association.

To remain eligible, student must receive higher than an "I" in effort during the previous school year.

FINE ARTS: PERFORMING ARTS

PERFORMING ARTS ELECTIVES

Acting for the Camera (Grades 9-12)

Advanced Theatre (Grades 10-12)

Basic Acting (Grades 9-12)

IB Theatre Arts (Grades 11-12)

Theatre Survey (Grades 9-12)

PERFORMING ARTS

ELECTIVES

1545 - ACTING FOR THE CAMERA
(9-12; .5 credit)
Acting for the camera will cover performance in the three main areas of commercials, television shows, and films. Students will learn how to prepare for all three areas, as well as audition for each. Students will also be responsible for filming each other when not performing themselves. Lastly, they will edit their own demo reel from their recorded performances, which can be used for camera auditions in real life.

1563 - ADVANCED THEATRE
(10-12; .5 credit; Theatre Survey, Basic Acting, Acting for the Camera or permission of the instructor)
This semester long course challenges students who have already been introduced to the basics of Theatre in Theatre Survey or Basic Acting and want to continue their education. More complex projects with longer timelines such as stage combat, accents and dialects, advanced improvisations, and play study and performance will turn the theatre novice into a theatre practitioner. In stage combat, students will learn how to trick the audience into believable fight sequences and in accents in dialects students will learn the basics of how to achieve realistic accents/dialects for scenes. Advanced improvisation will teach short form versus long form improv and how it can translate to scene work. Finally, the class will study one play in detail and then produce and perform the entire show in class.

1560 - BASIC ACTING
(9-12: .5 credit)
Students will learn, practice, and hone basic acting techniques. During scene work, acting skills will be developed through emphasis on script and character analysis, movement, sense memory techniques, and acting intentions. Students will be introduced to the teaching of Stanislavski as well as other theatre theorists. The semester will culminate in a performance of an original student written monologue.

1571 - IB THEATRE ARTS
(11-12; 1 credit; permission of the instructor)
This course is for students who want a course beyond the intermediate advanced theatre course. In this course students will develop a deep understanding and respect of theatre, not just as the simple acting out of literature, but as a synthesis of various talents and skills. Students will study the major developments and techniques in theatrical history of other cultures; explore and interpret scripts and other theatrical texts analytically and imaginatively; engage in a script from the director's point of view; gain an in depth understanding of the art of the stage and of the criticism relating to it; and devising original work from a stimulus. This course will prepare any student who wants to major in theatre in college for their freshman year of Theatre Studies.

1540 - THEATRE SURVEY
(9-12; .5 credit)
Theatre Survey is an introduction to the world of theatre. Students will learn and participate in acting exercises, theatre games, theatre production activities, and improvisations. The class focuses on developing vocal and physical expression. Students learn theatre history, costuming, makeup, sound design, lighting, stage movement, and acting techniques. The semester culminates in the performance of a 10-minute original one-act.

FINE ARTS: VISUAL ARTS

VISUAL ARTS PREREQUISITE

Art and Design (Grades 9-12)

VISUAL ARTS ELECTIVES

AP Drawing (Grades 11-12)

Ceramics 1 (Grades 10-12)

Ceramics 2 (Grades 10-12)

Fibers and Crafts 1 (Grades 10-12)

Fibers and Crafts 2 (Grades 10-12)

Digital Art (Grades 10-12)

Studio Art 1 (Grades 10-12)

Studio Art 2 (Grades 10-12)

Studio Art 3 (Grades 10-12)

Studio Art 4 (Grades 10-12)

VISUAL ARTS

PREREQUISITES

6200 - ART AND DESIGN
(9-12; 1 credit)
Students will develop an understanding of visual art terminology and design strategies. Art projects (drawing, painting, printmaking, ceramics, and sculpture) will support the writing assignments while introducing the novice art student to a variety of media and applicable techniques. Emphasis is placed on concepts prevalent in fine and commercial art.

Students have the potential to bypass Art and Design and take Studio 1 and 2 by completing the proficiency application. Please contact the department chair for details.

ELECTIVES

6273 - AP DRAWING
(11-12; 1 credit; Studio Art 4)
Students will create a cohesive body of work using their preferred style and medium of choice. Warm up lessons and research will help students to understand the process associated with fine and commercial art careers. Students have the potential to earn college credit. In addition, students will create a portfolio that meets The College Board's AP requirements. Students will need to purchase a USB drive.

6275 - CERAMICS 1
(10-12; .5 credit; Art and Design or Studio Art 2)
Students will learn the fundamental techniques of creating pottery using hand-built methods. Firing and glazing will be explored as well as terminology and the equipment used in the creation of ceramic forms. An emphasis on craftsmanship and design will be stressed with each project. Maintaining the studio will be part of the class expectations.

6276 - CERAMICS 2
(10-12; .5 credit; Ceramics 1)
Students will expand on Ceramics 1 skills as more sophisticated designs are introduced. Students will have the option to use a potter's wheel; however, the main emphasis will continue to be the hand-built method of construction. Emphasis will be placed on craftsmanship and design with an increase in expectations as the class progresses. Maintaining the studio will be part of the class expectations.

6253 - FIBERS and CRAFTS 1
(10-12; .5 credit; Art and Design)
This course introduces the properties and performance of textile materials and provides a general overview of the textile industry from a visual art perspective. Possible projects include weaving, surface design, knitting, embroidery, basketry, bookmaking or hand papermaking, batiking, printmaking, and dyeing. Focus is on materials used in functional artwork and visual arts methods. Students will need to be able to independently work to solve problems and maintain a high level of craftsmanship.

6254 - FIBERS and CRAFTS 2
(10-12; .5 credit; Crafts 1, Art and Design)
Students will utilize problem solving skills to develop individuality to each lesson. Project requirements, techniques, and use of tools will be advanced in comparison to Fibers and Crafts 1. Copper and silver jewelry construction will be introduced. An emphasis on safe and proper use of tools will be emphasized.

6290 - DIGITAL ART
(10-12; .5 credit; Art and Design or Studio Art 1 and 2)
Students will explore Adobe Illustrator as a design tool and Adobe Photoshop as a photography editing tool.
Students will be introduced to Design, Photography, Digital Painting, and Animation as students create original artwork and illustrations in a digital platform. Graphics as a communication format will be investigated through an aesthetic conscious lens. Elements & Principles of Design will be emphasized throughout the course via projects and critiques.

6245 - STUDIO ART 1
(10-12; Semester 1; .5 credit, Art and Design or proficiency application)
Studio Art 1 builds on the basic concepts covered in Art and Design. The students will be introduced to the use of advanced fine art mediums; graphite, charcoal, colored pencil, oil pastel, acrylics, and scratchboard. Graphic design concepts will be covered; in addition, techniques that improve direct observation drawing skills will be the focus of the course, including Still Life and Gesture Drawing.

6246 - STUDIO ART 2
(10-12; Semester 2; .5 credit; Studio Art 1)
Studio Art 2 will focus on drawing and painting from direct observation. Students will be introduced to printmaking, oil pastels, and acrylic painting techniques. Design concepts will be explored as well.

6247 - STUDIO ART 3
(10-12; Semester 1; .5 credit; Studio Art 2)
Students will explore abstraction, mixed medium projects, and the process of adding content to their work. Attention to realism and the ability to produce the illusion of depth on a two-dimensional surface will be emphasized. Focus is also placed on design concepts prevalent in fine and commercial art.

6248 - STUDIO ART 4
(10-12; Semester 2; .5 credit; Studio Art 3)
Students will assess contemporary and historical artists as they are introduced to new styles and techniques. This course prepares students for Advanced Placement (AP) Art Studio and/or the college art experience. Each student will prepare a digital portfolio. Mediums to be covered include, but are not limited to; spray paint, chalk pastel, silk screen, block print, and collage.

GENERAL ELECTIVES

GENERAL ELECTIVES

Gifted Learning Lab (Grades 9-12)

Internship (Grades 11-12)

LEAP Innovators and Investigators (LII) (Grades 9-12)

Learning Lab (Grades 9-12)

Link Crew Learning Lab (Grades 11-12)

LEAD for LIFE (Grades 9-12)

STUCO (Grades 9-12)

Writing Center (Grades 10-12)

GENERAL ELECTIVES

ELECTIVES

9003 - GIFTED LEARNING LAB
(9-12; 0 credit)
Gifted Learning labs provide gifted students with a 50 minute class period to complete homework, receive tutoring, conduct library research, and visit the writing center to get assistance. Tutors in all content areas are available during all learning labs. Students do not earn academic credit for participating in a learning lab. Students may choose to take a learning lab for a single semester or for the entire year.

5100 - INTERNSHIP
(11-12; 1-2 credit(s); application based)
This course allows juniors and seniors to pursue work-based learning and learn professional skills in a career path of their choosing. Students will spend part of their time on campus learning work-based professional skills and part of their time off-campus in a career exploration, internship/apprenticeship, or service learning experience. Students must apply for the program within one of the six career paths: Arts and Communication; Business, Management, and Technology; Health Services; Human Services; Industrial and Engineering Technology; or Natural Resources and Agriculture. The following factors will be considered for admission to the program: credits toward graduation, individual career and academic plan, application essay, and teacher recommendations. Participation in this program may meet partial requirements for the Missouri Career and Technical Education Certificate. This course may count as a Practical Art credit.

9014 - LEAD for LIFE - Leadership Experiences and Development for Lindbergh Initiatives for Everyone (9-12; .25 per semester; Prerequisites: application/teacher recommendation)
LEAD for LIFE is a student leadership development and character education elective. This leadership course is designed to give students meaningful opportunities to develop skills such as critical thinking, creativity, collaboration, and communication while promoting our core values of respect, responsibility, and caring for others. These practical skills taught in LEAD for LIFE will apply to both formal and informal leadership opportunities in school and beyond. Our projects will help promote Lindbergh Life, a new initiative that merges social-emotional skills, college/career readiness, and character skills to create the whole child experience. The three main areas of Lindbergh Life include: Creativity and Curiosity, Identity and Agency, and Integrity and Inclusiveness. As a leadership council, we will work to develop our own leadership skills, create PAC lessons, promote school wide events and district level initiatives that help support the development of strong character, interpersonal skills, and emotional intelligence for all students.

9515 - LEAP INNOVATORS AND INVESTIGATORS
(9-12; .5 or 1 credit; LEAP and PEGS students or permission of the instructor)
In LII students will have the opportunity to create their own independent investigations or innovate with a variety of materials in a MakerSpace. While the products will vary depending on student choice and interest, all LII students will develop life-long learning skills, such as goal-setting, problem-solving, resource gathering, collaboration, communication, creativity, and reflection. Students may only take LII for a weighted honors credit for two semesters during their high school career.

9000 - LEARNING LAB
(9-12; 0 credit)
Learning labs provide students with a 50 minute class period to complete homework, receive tutoring, conduct library research, and visit the writing center to get assistance. Tutors in all content areas are available during all learning labs. Students do not earn academic credit for participating in a learning lab. Students may choose to take a learning lab for a single semester or for the entire year.

9012 - LINK CREW LEARNING LAB
(11-12: 0 credit)
Link Leaders will create, plan, and start implementing activities to help build relationships with their freshmen and in turn help their freshmen be stronger students. Through completing the above, Link Leaders will develop leadership and organizational skills. This core group of Link Leaders will enhance this transition process for the freshmen.

8600 - STUDENT COUNCIL
(9-12; .5 credit)
Student Council is made up of representatives chosen from each class to give voice to the student body. Representatives must complete an application, interview, and election. Representatives take student concerns to the admin, plan and implement service projects, foster school spirit, create events for students, and learn leadership skills.

9090 - WRITING CENTER
(10-12; 0 credit; recommendation by previous English instructor)
Prospective LWC tutors should have an "A" in their current regular English class or be enrolled in an honors, IB, or AP English class. Peer tutors meet with fellow LHS students during 50-minute class periods each day to offer assistance on a variety of writing assignments. In 10-15 minute conference sessions, the tutors are asked to help students with the focus, structure, and direction of their papers. Tutors are given flexibility to work on their own assignments during off-peak times and the hours they spend tutoring in the Writing Center can be used for the A+ program.

MATH

It is strongly suggested that students follow teacher recommendations for course registration options for the following year. This may result in a student moving between courses along a path not shown in the outline below. Course changes that do not follow the prescribed path should ONLY occur under the collective guidance and recommendation of the student's math teacher, counselor and administrator.

SUGGESTED PATHS OF STUDY

8th Grade Algebra 1 Path Options

No. 1: Geometry Honors (9th Grade); Algebra 2 Honors (10th Grade); Pre-Calculus (11th Grade); AP Calculus or AP Statistics (12th Grade)

No. 2: Geometry College Prep (9th Grade); Algebra 2 College Prep (10th Grade); College Algebra and Trigonometry (11th Grade); AP Statistics (12th Grade)

8th Grade Pre-Algebra Path Options

No. 1: Algebra 1 College Prep (9th Grade); Geometry College Prep (10th Grade); Algebra 2 College Prep (11th Grade); College Algebra and Trigonometry (12th Grade)

No. 2: Algebra 1 College Prep (9th Grade); Geometry (10th Grade); Algebra 2 (11th Grade); Algebra 3 (12th Grade)

No. 3: Algebra 1A (9th Grade); Algebra 1B (10th Grade); Geometry (11th Grade); Algebra 2 (12th Grade)

MATH ELECTIVES

Algebra 3 (Grade 12)

AP Calculus AB (Grade 12)

AP Calculus BC (Grade 12)

AP Statistics (Grades 11-12)

College Algebra and Trigonometry (Grades 11-12)

College Testing Prep (Grades 11-12)

IB Calculus AB (Grade 12)

IB Mathematics: Applications and Interpretation (Grade 12)

Pre-Calculus and Trigonometry (Grades 11-12)

MATH

REQUIRED

3110 - ALGEBRA 1A
(9-10; 1 credit; Pre-Algebra)
This is the first year of a two-year program in algebra for students who have experienced some difficulty in previous mathematics courses. The complete Algebra 1 course is divided into two years of study in order to give more time for the understanding of the various concepts.

3120 - ALGEBRA 1B
(10-11; 1 credit; Algebra 1A)
Algebra 1 Part B is the second year of a two year Algebra program. When both Algebra 1A and 1B are successfully completed, two units of credit are given toward graduation. For college admission purposes, this two-year program is equivalent to one unit of Algebra 1. This two-year program fulfills the requirement of the Algebra credit necessary to graduate.

3150 - ALGEBRA 1 College Prep
(9-11; 1 credit; Pre-Algebra, recommended C or better)
This course is designed for those students who are capable and may plan to study more advanced mathematics. This course is designed for those who want three or more units of math to meet college admission requirements, those who plan to study math and science in high school or college, or those who need math for electronics, data processing, and other technical courses. Topics studied include variables, operations with integers, properties of equations and numbers, inequalities, operations with polynomials, factoring, algebraic fractions, simultaneous linear equations, irrational numbers, and quadratic equations. A great deal of emphasis will also be placed on applying these skills to the solution of "real world" problems. A scientific calculator is required, a graphing calculator is optional.

3205 - GEOMETRY
(10-12; 1 credit; Algebra 1B)
This course is intended for students who have completed Algebra 1A and 1B or Algebra 1 College Prep with some difficulty. Geometry concentrates on general application of the theorems, postulates, and definitions of geometry. There is less emphasis on proofs than in other geometry classes. Many colleges require geometry as a prerequisite for entry, thus the format is designed to appeal to the student who needs more mathematics but would have great difficulty in mastering the more rigorous Geometry College Prep or Geometry Honors. Texas Instruments Scientific Calculator strongly recommended.

3250 - GEOMETRY COLLEGE PREP
(9-12; 1 credit; Algebra 1 College Prep, recommended C or better)
This course gives attention to helping students understand the nature of deductive reasoning involving definitions, theorems and postulates of geometry. Throughout the course, students are encouraged to think of geometry as a logical system of thought. Students apply geometric definitions, theorems and postulates to solve problems, and draw and justify conclusions. The skills in earlier courses in arithmetic and algebra are maintained and extended toward visual representations.

3180 - GEOMETRY HONORS
(9-10; 1 credit; teacher recommendation only)
This course is designed for students who possess both good mathematical reasoning and critical thinking skills. It emphasizes the structure of geometry as a deductive system using relationships, properties, and applications associated with shapes found in a three dimensional world. Topics covered are plane, solid, and coordinate geometry, logic, and right triangle trigonometry. Texas Instruments Graphing Calculator strongly recommended.

3302 - ALGEBRA 2
(11-12; 1 credit; Geometry)
This course is intended for students who have completed Algebra 1A, Algebra 1B, and Geometry or students who had difficulty in Geometry College Prep. Topics studied include relations, functions, rational and irrational functions, quadratic equations, radicals, complex numbers, exponential and logarithmic functions, rational functions, and trigonometry. Students need a minimum of a scientific calculator. A Texas Instruments Graphing Calculator is helpful.

3305 - ALGEBRA 2 COLLEGE PREP
(10-12; 1 credit; Geometry-College Prep, Algebra 1 College Prep, recommended C or better)
This is the second algebra course and is designed for those who may plan to study advanced mathematics in college. This course satisfies admission requirements for colleges that require three units of mathematics. It is recommended for anyone desiring a career in science, technology, business, or related fields. Topics studied include complex numbers, basic trigonometry, sequences and series, and analyzing functions including quadratic, polynomial, radical, rational, exponential and logarithmic. Having a Texas Instruments Graphing Calculator is strongly recommended.

3310 - ALGEBRA 2 HONORS
(10-11; 1 credit; Geometry Honors, Algebra 1 College Prep, recommended B or better)
This course will cover all topics covered in Algebra 2 plus the following: Develop linear, quadratic, exponential and logarithmic functions for use in applications. Texas Instruments Graphing Calculator strongly recommended.

ELECTIVES

3410 - ALGEBRA 3
(12; 1 credit; Algebra 2)
This course is intended for students who have completed Algebra 2 or Algebra 2 College Prep with some difficulty. This course extends upon skills learned in previous math courses. Students are expected to apply these concepts through projects and assessments. Topics include statistics and probability, elementary trigonometry, quadratic, and exponential and logarithmic functions.

3443 - AP CALCULUS AB
(12; 1 credit; Pre-Calculus, recommended C or better)

3444 - IB CALCULUS AB
(12; 1 credit; Pre-Calculus, recommended C or better)
This course covers differential and integral calculus of the real numbers. Students may take the IB Mathematics SL exam or the AP Calculus AB exam upon completion of this course. Texas Instruments Graphing Calculator strongly recommended.

3441 - AP CALCULUS BC
(12; 1 credit; teacher recommendation)

3442 - IB CALCULUS BC
(12; 1 credit; teacher recommendation)
Calculus BC is a full-year course in the calculus of functions of a single variable. It includes all topics covered in Calculus AB plus parametric, polar, and vector functions, polynomial approximations and Series. This course is the equivalent of a college level Calculus 1 and 2. It is intended to be the next course for an exceptional Pre-Calculus student. Students have the option of taking the IB Mathematics Analysis exam (SL or HL for seniors only) and/or the AP Calculus BC exam. Texas Instruments Graphing Calculator strongly recommended.

3511 - AP STATISTICS
(11-12; 1 credit; College Algebra or Pre-Calculus, recommended C or better)
AP statistics introduces students to the major concepts, and tools for soliciting, analyzing, and drawing conclusions from data. It focuses on statistics and probability, emphasizing sound statistical thinking rather than routine procedures. This course is intended to be equivalent to an introductory, non-calculus based college course in statistics. Students will have the opportunity to earn college credit through the AP Statistics Exam. Texas Instruments Graphing Calculator strongly recommended.

3400 - COLLEGE ALGEBRA AND TRIGONOMETRY
(11-12; 1 credit; Algebra 2 College Prep, recommended C or better)
This course is designed to give students an introduction to college level mathematics and a foundation for advanced mathematics. Areas of study include trigonometric functions, sequences and series, introductions to probability and statistics and a review of previously learned functions, analytical geometry, and coordinate geometry. Texas Instruments Graphing Calculator strongly recommended.

3515 - IB MATHEMATICS: APPLICATIONS AND INTERPRETATION
(12; 1 credit; College Algebra, recommended C or better)
This course is meant for the student who took College Algebra that is not looking for the rigor of AP Statistics or Calculus. It introduces students to a variety of numerical and algebraic concepts and applications, explores functions and applies them to mathematical situations, continues the study of trigonometric and circular functions, logic, calculator applications, extends the study of probability and statistics, and introduces the basic concepts and techniques of calculus. This course prepares students for the IB Mathematics: Applications and Interpretation SL exam, earns a weighted grade and is a good course for a student wanting to review the mathematics they have learned in high school as well as learning new content. Texas Instruments Graphing Calculator required.

3352 - PRE-CALCULUS AND TRIGONOMETRY
(11-12; 1 credit; Algebra 2 Honors, recommended C or better)
This course will include all the topics covered in the College Algebra and Trigonometry class plus selected topics in vectors, exponential and logarithmic functions, probability, and statistics. Texas Instruments Graphing Calculator strongly recommended.

Students taking this course may be eligible to receive dual-credit through St. Louis Community College. Students must meet all college entrance requirements and pay all fees associated with dual-credit.

MODERN LANGUAGE

SUGGESTED PATHS OF STUDY

In order to gain credit for a modern language course, a student must complete the first and second semester of the language in the same academic year. Failure to pass the second semester of the language requires the student to repeat the entire year of the language.

A student planning to enroll in a four year college or university is strongly encouraged to complete a minimum of two or more levels of a modern language in order to meet university entrance requirements. These levels should be consecutive levels in the same language. Students successfully completing level 1, at the middle school or high school, should enroll in level 2 or level 2 Honors to fulfill university entrance requirements.

MODERN LANGUAGE ELECTIVES

French 1 (Grades 9-12)

French 2, French 2 Honors (Grades 9-12)

French 3, French 3 Honors (Grades 10-12)

French 4, French 4 Honors/1818 (Grades 11-12)

French 5, AP French 5, IB French 5 (Grade 12)

German 1 (Grades 9-12)

German 2, German 2 Honors (Grades 9-12)

German 3, German 3 Honors (Grades 10-12)

German 4, German 4 Honors/1818 (Grades 11-12)

German 5, AP German 5, IB German 5 (Grades 11-12)

Spanish 1 (Grades 9-12)

Spanish 2, Spanish 2 Honors (Grades 9-12)

Spanish 3, Spanish 3 Honors (Grades 10-12)

Spanish 4, Spanish 4 Honors/1818 (Grades 11-12)

Spanish 5, AP Spanish 5, IB Spanish 5 (Grades 11-12)

MODERN LANGUAGE

ELECTIVES

7210 - FRENCH 1
(9-12; 1 credit)
The student learns elementary skills in listening, speaking, reading and writing French. Students will learn to communicate at a novice level through short dialogues and pictures depicting life situations. Basic grammatical concepts are taught and reinforced by oral and written exercises. Technology and authentic materials introduce students to the daily life of people in French-speaking countries.

7220 - FRENCH 2
(9-12; 1 credit; French 1)
The emphasis shifts in this level to increase the student's range of expression for both oral and written communication at a novice level. There is a more intensive study of the basic grammatical structure of the language with increased emphasis on reading and listening comprehension. There is a correspondingly increased emphasis on reading and writing, as well as speaking French. The student's knowledge of various French-speaking countries and their culture is expanded through technology based research, through class discussions and a variety of authentic materials. A grade of C or better in French 1 is strongly recommended for French 2.

7222 - FRENCH 2 HONORS
(9-12; 1 credit; French 1)
The emphasis shifts in this level to increase the student's range of expression for both oral and written communication at a novice/intermediate level. There is a more intensive study of the basic grammatical structure of the language with increased emphasis on reading and listening comprehension. There is a correspondingly increased emphasis on reading and writing, as well as speaking French. The student's knowledge of various French-speaking countries and their culture is expanded through technology based research, through class discussion and a variety of authentic materials. This course goes beyond the work of the French 2 class, progressing at an accelerated pace. There is also an increased emphasis on all communication skills. It is recommended only for motivated students who desire a greater academic challenge. This course is the initial step in the AP/IB/1818 Honors Program. A grade of B or better in French 1 is strongly recommended for French 2 Honors.

7230 - FRENCH 3
(10-12; 1 credit; French 2 or French 2 Honors)
The level 3 student will expand and improve communication skills in French while continuing the study of basic grammar at an intermediate level. There is an increased emphasis on the reading of authentic material and more involved writing assignments. Increased reliance on French as the means of communication in the classroom is emphasized. Technology and authentic materials enhance the student's knowledge of the French-speaking cultures. A grade of C or better in French 2 is strongly recommended for French 3.

7232 - FRENCH 3 HONORS
(10-12; 1 credit; French 2 or French 2 Honors)
The level 3 student will expand and improve communication skills in French while continuing the study of basic grammar at an intermediate level. There is an increased emphasis on the reading of authentic material and more involved writing assignments. Increased reliance of French as the means of communication in the classroom is emphasized. Technology and authentic materials enhance the student's knowledge of the French-speaking cultures. This is a continuation of the accelerated program begun in the second level of the Honors Program. This honors course is to prepare students for the AP/IB/1818 program. It is recommended for highly motivated students. Selected works are studied and discussed in the target language to increase language skills and expose students to contemporary language and cultures. A grade of B or better in French 2 or French 2 Honors is strongly recommended for French 3 Honors.

7241 - FRENCH 4
(11-12; 1 credit; French 3 or French 3 Honors)
At an intermediate level, the student will learn how to deal with a greater variety of topics and task. This course is intended to give the student further practice in developing conversational and writing skills. Various types of authentic material and technology help to improve listening and reading skills. Basic grammar concepts are reviewed and higher-level concepts are presented. Emphasis is placed on the practical application of the language and appreciation of French speaking cultures. A grade of C or better in French 3 or French 3 Honors is strongly recommended for French 4.

7242 - FRENCH 4 Honors/1818
(11-12; 1 credit; French 3 Honors)
This is the first level of a two-year advanced course designed to prepare the student to meet the requirements of the AP/1818 Honors Program. The student increases proficiency in all of the basic skills emphasized in the French 4 class at an intermediate level and may reach the pre-advanced level. Various forms of French literature and other authentic materials studied are accessible through technology intensive practice in extemporaneous speaking and in composition enhancing communication and comprehension skills. There is a systematic review of basic French grammar as well as the introduction of grammatical fine points with a continued emphasis on the knowledge of French life and culture. In addition to high school credit for this course, the student has an opportunity to receive college credit during both semesters. A grade of B or better in French 3 Honors is strongly recommended for French 4 Honors/1818.

7260 - FRENCH 5
(12; 1 credit; French 4 or French 4 Honors/1818)
This course will challenge the student who is interested in further improving oral proficiency and knowledge of the French culture. Emphasis is placed on the practical application of the language and a topical approach is used to stimulate discussions. Authentic material and technology are used to give the student further practice in the skills of speaking, listening, reading and writing at an intermediate level and possibly a pre-advanced level. The target language is utilized to give the student the maximum opportunity to learn the language. A grade of C or better in French 4 or French 4 Honors/1818 is strongly recommended for French 5.

7251 - AP FRENCH 5
(12; 1 credit; French 4 Honors/1818)

7252 - IB FRENCH 5
(12; 1 credit; French 4 Honors/1818)
This is the second level of the two year advanced course that completes the AP/IB/1818 Honors Program. This course will challenge the student who is interested in further improving oral proficiency skills and knowledge of the French culture, while preparing oneself to take the AP and IB exams. Critical-thinking skills are further developed through the study of French civilization, culture, and literature. Classroom discussions and activities are conducted in French and the student performs at an intermediate/pre-advanced level. Regular assignments will include oral exposes, discussions, and composition work to further the student's ability to understand spoken French in various contexts and to acquire an active, extensive vocabulary for self-expression. Authentic material, including newspaper, magazines and audio/video technology are used. In addition to high school credit for this course, the student has an opportunity to receive college credit. A grade of B or better in French 4 Honors/1818 is strongly recommended for AP/IB French 5.

7610 - GERMAN 1
(9-12; 1 credit)
The student learns elementary skills in listening, speaking, reading, and writing German. Students will learn to communicate at a novice level through short dialogues and pictures depicting life situations. Basic grammatical concepts are taught and reinforced by oral and written exercises. Technology and authentic materials introduce students to the daily life of people in German-speaking countries.

7620 - GERMAN 2
(9-12; 1 credit; German 1)
The emphasis shifts in this level to increase the student's range of expression for both oral and written communication at a novice level. There is a more intensive study of the basic grammatical structure of the language with increased emphasis on reading and listening comprehension. There is a correspondingly increased emphasis on reading and writing, as well as speaking German. The student's knowledge of various German-speaking countries and their culture is expanded through technology-based research, through class discussion and a variety of authentic materials. A grade of C or better in German 1 is strongly recommended for German 2.

7622 - GERMAN 2 HONORS
(9-12; 1 credit; German 1)
The emphasis shifts in this level to increase the student's range of expression for both oral and written communication at a novice/intermediate level. There is a more intensive study of the basic grammatical structure of the language with increased emphasis on reading and listening comprehension. There is a correspondingly increased emphasis on reading and writing, as well as speaking German. The student's knowledge of various German-speaking countries and their culture is expanded through technology-based research, through class discussion and a variety of authentic materials. This course goes beyond the work of the German 2 class, progressing at an accelerated pace. There is also an increased emphasis on all communication skills. It is recommended only for motivated students who desire a greater academic challenge. This course is the initial step in the AP/IB/1818 Honors Program. A grade of B or greater in German 1 is strongly recommended for German 2 Honors.

7630 - GERMAN 3
(10-12; 1 credit; German 2 or German 2 Honors)
The level 3 student will expand and improve communication skills in German while continuing the study of basic grammar at an intermediate level. There is an increased emphasis on the reading of authentic materials and more involved writing assignments. Increased reliance on German as the means of communication in the classroom is emphasized. Technology and authentic materials enhance the student's knowledge of the German-speaking cultures. A grade of C or better in German 2 or German 2 Honors is strongly recommended for German 3.

7632 - GERMAN 3 HONORS
(10-12; 1 credit; German 2 or German 2 Honors)
The level 3 student will expand and improve communication skills in German while continuing the study of basic grammar at an intermediate level. There is an increased emphasis on the reading of authentic materials and more involved writing assignments. Increased reliance on German as the means of communication in the classroom is emphasized. Technology and authentic materials enhance the student's knowledge of the German-speaking cultures. This course is a continuation of the accelerated program begun in the second level of the Honors Program. This honors course is to prepare students for the AP/IB/1818 program. It is recommended for highly motivated students. Selected works are studied and discussed in the target language to increase language skills and expose students to contemporary language and cultures. A grade of B or better in German 2 or German 2 Honors is strongly recommended for German 3 Honors.

7641 - GERMAN 4
(11-12; 1 credit; German 3 or German 3 Honors)
At an intermediate level, the student will learn how to deal with a greater variety of topics and tasks. This course is intended to give the student further practice in developing conversational and writing skills. Various types of authentic material and technology help to improve listening and reading skills. Basic grammar concepts are reviewed and higher level concepts are presented. Emphasis is placed on the practical application of the language and appreciation of German-speaking cultures. A grade of C or better in German 3 or German 3 Honors is strongly recommended for German 4.

7642 - GERMAN 4 Honors/1818
(11-12; 1 credit; German 3 Honors)
This is the first level of a two-year advanced course designed to prepare the student to meet the requirements of the AP/1818 Honors Program. The student increases proficiency in all of the basic skills emphasized in the German 4 class at an intermediate level and may reach the pre-advanced level. Various forms of German literature and other authentic materials studied are accessible through technology. Intensive practice in extemporaneous speaking and in the introduction of grammatical fine points with a continued emphasis on the knowledge of German life and culture. In addition to high school credit for this course, the student has an opportunity to receive college credit during both semesters. A grade of B or better in German 3 Honors is strongly recommended for German 4 Honors/1818.

7651 - GERMAN 5
(11-12; 1 credit; German 4 or German 4 Honors/1818)
This course will challenge the student who is interested in further improving oral proficiency and knowledge of the German culture. Emphasis is placed on the practical application of the language and a topical approach is used to stimulate discussions. Authentic material and technology are used to give the student further practice in the skills of speaking, listening, reading and writing at an intermediate level and possibly a pre-advanced level. The target language is utilized to give the student the maximum opportunity to learn the language. A grade of C or better in German 4 or German 4 Honors/1818 is strongly recommended for German 5.

7652 - AP GERMAN 5
(11-12; 1 credit; German 4 Honors/1818)

7653 - IB GERMAN 5
(11-12; 1 credit; German 4 Honors/1818)
This is the second level of the two year advanced course that completes the AP/IB/1818 Honors Program. This course will challenge the student who is interested in further improving oral proficiency skills and knowledge of the German culture, while preparing oneself to take the AP and IB exams. Critical-thinking skills are further developed through the study of German civilization, culture, and literature. Classroom discussion and activities are conducted in German and the student performs at an intermediate/pre-advanced level. Regular assignments will include oral exposes, discussions, and composition work to further the student's ability to understand spoken German in various contexts and to acquire an active, extensive vocabulary for self-expression. Authentic materials, including newspapers, magazines and audio/video technology are used. In addition to the high school credit for this course, the student has an opportunity to receive college credit. A grade of B or better in German 4 Honors/1818 is strongly recommended for AP/IB German 5.

7510 - SPANISH 1
(9-12; 1 credit)
The student learns elementary skills in listening, speaking, reading, and writing Spanish. Students will learn to communicate at a novice level through short dialogues and partner practice. Basic grammatical concepts are taught and reinforced by oral and written exercises. Technology and authentic material introduce students to daily life of people in Spanish-speaking countries.

7520 - SPANISH 2
(9-12; 1 credit; Spanish 1)
The emphasis shifts in this level to increase the student's range of expression for both oral and written communication at a novice level. There is a more intensive study of the basic grammatical structure of the language with increased emphasis on reading and listening comprehension. There is a correspondingly increased emphasis on reading and writing, as well as speaking Spanish. The student's knowledge of various Spanish-speaking countries and their culture is expanded through technology-based research, through class discussion and a variety of authentic materials. A grade of C or better in Spanish 1 is strongly recommended for Spanish 2.

7522 - SPANISH 2 HONORS
(9-12; 1 credit; Spanish 1)
The emphasis shifts in this level to increase the student's range of expression for both oral and written communication at a novice/intermediate level. There is a more intensive study of the basic grammatical structure of the language with increased emphasis on reading and listening comprehension. There is a correspondingly increased emphasis on reading and writing, as well as speaking Spanish. The student's knowledge of various Spanish-speaking countries and their culture is expanded through technology-based research, class discussions, and a variety of authentic materials. This course goes beyond the work of the Spanish 2 class, progressing at an accelerated pace. There is also an increased emphasis on all communication skills. It is recommended only for motivated students who desire a greater academic challenge. This course is the initial step in the AP/IB/1818 Honors Program. A grade of B or better in Spanish 1 is strongly recommended for Spanish 2 Honors.

7530 - SPANISH 3
(10-12; 1 credit; Spanish 2 or Spanish 2 Honors)
The level 3 student will expand and improve communication skills in Spanish while continuing the study of basic grammar at an intermediate level. There is an increased emphasis on the reading of authentic material and more involved writing assignments. Increased reliance on Spanish as the means of communication in the classroom is emphasized. Technology and authentic materials enhance the student's knowledge of the Spanish-speaking cultures. A grade of C or better in Spanish 2 or Spanish 2 Honors is strongly recommended for Spanish 3.

7532 - SPANISH 3 HONORS
(10-12; 1 credit; Spanish 2 or Spanish 2 Honors)
The level 3 student will expand and improve communication skills in Spanish continuing the study of basic grammar at a novice/intermediate level. There is an increased emphasis on the reading of authentic materials and more involved writing assignments. Increases reliance on Spanish as the means of communication in the classroom is emphasized. Technology and authentic materials enhance the student's knowledge of the Spanish-speaking cultures. This course is a continuation of the accelerated program begun in the second level of the Honors Program. This honors course is to prepare students for the AP/IB/1818 program. It is recommended for highly motivated students. Selected works are studied and discussed in the target language to increase language skills and expose students to contemporary language and cultures. A grade of B or better in Spanish 2 or Spanish 2 Honors is strongly recommended for Spanish 3 Honors.

7541 - SPANISH 4
(11-12; 1 credit; Spanish 3 or Spanish 3 Honors)
At an intermediate level, the student will learn how to deal with a greater variety of topics and tasks. This course is intended to give the student further practice in developing conversational and writing skills. Various types of authentic material and technology help to improve listening and reading skills Basic grammar concepts are reviewed and higher-level concepts are presented. Emphasis is placed on the practical application of the language and appreciation of Spanish-speaking cultures. A grade of C or better in Spanish 3 or Spanish Honors is strongly recommended for Spanish 4.

7542 - SPANISH 4 Honors/1818
(11-12; 1 credit; Spanish 3 Honors)
This is the first level of a two-year advanced course designed to prepare the student to meet the requirements of the AP/1818 Honors Program. The student increases proficiency in all of the basic skills emphasized in the Spanish 4 class at an intermediate level and may reach the pre-advanced level. Various forms of Spanish Literature and other authentic materials studied are accessible through technology. Intensive practice in extemporaneous speaking and in composition enhances communication and comprehension skills. There is a systematic review of basic Spanish grammar as well as the introduction of grammatical fine points with a continued emphasis on the knowledge of Spanish life and culture. In addition to high school credit for this course, the student has an opportunity to receive college credit during both semesters. A grade of B or better in Spanish 3 Honors is strongly recommended for Spanish 4 Honors/1818.

7551 - SPANISH 5
(11-12; 1 credit; Spanish 4 or Spanish 4 Honors/1818)
This course will challenge the student who is interested in further improving oral proficiency and knowledge of Spanish-speaking cultures. Emphasis is placed on the practical application of the language and a topical approach is used to stimulate discussions. Authentic material and technology are used to give the student further practice in the skills of speaking, listening, reading and writing at an intermediate level, and possibly a pre-advanced level. The target language is utilized to give the student the maximum opportunity to learn the language. A grade of C or better in Spanish 4 Honors/1818 or Spanish 4 is strongly recommended.

7553 - AP SPANISH 5
(11-12; 1 credit; Spanish 4 Honors/1818)

7554 - IB SPANISH 5
(11-12; 1 credit; Spanish 4 Honors/1818)
This is the second level of a two-year advanced course that completes the AP/IB/1818 Honors Program. This course will challenge the student who is interested in further improving oral proficiency skills and knowledge of Spanish-speaking cultures, while preparing oneself to take the AP and IB exams. Critical-thinking skills are further developed through the study of Spanish civilization, culture, and literature. Classroom discussion and activities are conducted in Spanish and the student performs at an intermediate/pre-advanced level. Regular assignments will include oral exposes, discussions, and composition work to further the student's ability to understand spoken Spanish in various contexts, and to acquire an active, extensive vocabulary for self-expression. Authentic materials, including newspapers, magazines, and audio/video technology are used. In addition to high school credit for this course, the student has an opportunity to receive college credit. Additional outside texts may be necessary to be purchased. A grade of B or better in Spanish 4 Honors/1818 is strongly recommended.

PHYSICAL EDUCATION AND HEALTH

REQUIRED COURSES

Boys Personal Fitness Concepts (Grades 9-10)

Girls Personal Fitness Concepts (Grades 9-10)

Health (Grades 9-10)

PHYSICAL EDUCATION ELECTIVES

Basic Weight Training (Grades 9-12)

Advanced Strength and Conditioning (Grades 10-12)

Team and Individual Sports (Grades 9-12)

Dance and Fitness Concepts (Grades 9-12)

Female Fitness (Grades 9-12)

Kinetic Wellness (Grades 9-12)

PHYSICAL EDUCATION AND HEALTH

REQUIRED

8100 - BOYS PERSONAL FITNESS CONCEPTS
(9-10; .5 credit)

8201 - GIRLS PERSONAL FITNESS CONCEPTS
(9-10; .5 credit)
Personal Fitness Concepts is a required course to be taken in students' ninth or tenth grade year. As a prerequisite for all other Physical Education classes, the course covers the basic components of fitness, which includes cardiovascular health, stress management, muscular strength and endurance training, flexibility, and body composition. Activities will include, but are not limited to, individual, dual/team sports. Students learn proper methods, theories, safety precautions, and physical benefits associated with each health related fitness component, as well as how to develop personal fitness plans based on the taught concepts. The President's Fitness Challenge & Fitness program assessments will be administered.

8323 - HEALTH
(9, 10; .5 credit)
Healthy behavior is a choice that begins with the ability to separate fact from fiction in order to make informed decisions. Health covers the essential elements of active living, life-management and wellness skills, and making healthy personal choices. Subject matter includes mental health; body structures and functions; nutrition; first aid; consumer health; personal hygiene; human sexuality; disease prevention; and the harmful effects of drugs, alcohol, and tobacco.

ELECTIVES

8330 - BASIC WEIGHT TRAINING
(9-12; .5 credit; Personal Fitness Concepts)
Basic Weight Training will provide the student with basic weight training fundamentals and the opportunity to maintain physical fitness through firming, toning, and aerobic conditioning. In the class, weight training will occur three days a week accompanied by two days of aerobic conditioning. Students will keep weekly workout journals, set personal and cardio goals, and develop an individual comprehensive personal fitness plan (detailed portfolio). Students will also receive classroom instruction on related health topics. Basic Weight Training is a prerequisite to Advanced Strength and Conditioning.

8340 - ADVANCED STRENGTH AND CONDITIONING
(10-12; .5 credit; Basic Weight Training or Female Fitness or teacher approval)
This course is designed to assist the students to become successful in a competitive athletic environment. Students will gain the knowledge of how to successfully train their bodies in order to gain both strength and endurance while increasing flexibility. Weight training will be four days per week, with one day of active cardiovascular conditioning and plyometric training, as well as classroom instruction. Areas of emphasis will be on the discussion of various relevant topics such as, but not limited to, basic nutritional information, how to develop a sound nutritional plan based on an individual's own goals, the danger of steroid usage, natural performance enhancing substances, and proper weight gain/loss strategies. Students will develop a comprehensive personal fitness plan in this class.

8110 - TEAM AND INDIVIDUAL SPORTS
(9-12; .5 credit; Personal Fitness Concepts)
This course is designed to provide a sound physical education experience for nine through twelfth grade students. This class will emphasize Team Sports activities such as soccer, flag football, team handball, volleyball, basketball, ultimate games, softball, mat ball, and other team game activities. Students will learn game rules, theories of sport, techniques, scoring, safety precautions, and the history of many popular American and International sport/games. This class will also emphasize Lifetime, Individual and Dual activities such as tennis, pickleball, Frisbee golf, badminton, jogging/walking for fitness, aerobics, weight lifting, and other lifetime activities. This course will also reinforce the 6 Basic Components of Fitness introduced in Personal Fitness Concepts (PFC). An athletic skills assessments and Presidential Physical Fitness testing will also be included. Students will develop a comprehensive personal fitness plan in this class. This is a co-ed class.

8300 - DANCE AND FITNESS CONCEPTS
(9-12; .5 credit; Personal Fitness Concepts)
This class is designed for any student who would like to explore the world of dance. The focus will be to expose students to a variety of dance techniques. These techniques will include, but not limited to; Ballet, Jazz, Lyrical, Broadway, Ballroom, Modern, Hip-Hop, Swing, and Salsa. Other Aerobic activities will also be experienced in this class. Students will learn proper techniques, theories, and history of these dances. The class will climax with group performances that are choreographed by the students.

8350 - FEMALE FITNESS
(9-12; .5 credit; Personal Fitness Concepts)
This class is designed for any female student who has previously taken PFC and is looking for a full body experience. Whether you are a female athlete looking to gain a competitive edge or a beginner looking to get in shape. Students will set personal goals and workouts will be tailored to achieve those goals. Units will include, but not limited to, strength training, core strength and balance ("yoga"), speed and agility, and self-defense strategies.

8210 - KINETIC WELLNESS
(9-12; .5 credit; Personal Fitness Concepts)
This course incorporates creative strategies from aerobic activity to "de-stress" activities that will help to address the issues of physical, mental/emotional and social well-being. Movement will be a large part of this class, since we know that movement/cardiovascular activities help to increase brain function, which helps students to focus and learn more efficiently, as well as to lessen anxiety. Some activities include, but are not limited to, core strength/yoga, relaxation/de-stress strategies, recreational game, and aerobic exercise.

PRACTICAL ARTS: AVIATION

AVIATION ELECTIVES

Aviation 1 (Grades 9-12)

AVIATION

5860 - AVIATION 1
(9-12; .5 credit)
In Aviation I, students will work in teams, putting into practice Design Thinking in order to successfully design, build, engineer, and fly content-related projects. Using a modified engineering design model process, the innovative, STEM-driven, hands-on aircraft learning activities will engage students at every level and provide real-world learning opportunities that expose students to careers in aviation, science, and technology.

Students who complete this course will be eligible to enroll in Aviation 2 in the 2023-24 school year. In Aviation 2, students will learn to pilot rotary wing aircraft and will be eligible to take the certification exam for the Part 107 commercial drone pilot license.

PRACTICAL ARTS: BUSINESS

SUGGESTED PATHS OF STUDY

Marketing, Sales and Services: Career Explorations, Introduction to Business, Marketing 1, Accounting 1, Entrepreneurship, Broadcast Sports Marketing, Sports and Entertainment Marketing, Accounting 2, IB Business Management, AP Economics

Business, Management and Administration: Career Explorations, Introduction to Business, Business and Personal Law, Accounting 1, Entrepreneurship, Accounting 2, IB Business Management, AP Economics

Finance: Career Explorations, Introduction to Business, Personal Financial Management, Accounting 1, Accounting 2, IB Business Management, AP Economics

Information Technology: Microsoft Office 1, Microsoft Office 2, Graphic Design

BUSINESS ELECTIVES

AP Economics (Grades 11-12)

Accounting 1 (Grades 10-12)

Accounting 2 (Grades 11-12)

Broadcast Sports Marketing (Grades 9-12)

Business and Personal Law (Grades 10-12)

Career Explorations (Grades 9-11)

Entrepreneurship (Grades 10-12)

Graphic Design (Grades 10-12)

IB Business Management (Grades 11-12)

International Business and Marketing (Grades 10-12)

Introduction to Business (Grades 9-12)

Marketing 1 (Grades 10-12)

Marketing 2 (Grades 11-12)

Microsoft Office 1 (Grades 9-12)

Microsoft Office 2 (Grades 9-12)

Sports and Entertainment Marketing (Grades 10-12)

BUSINESS

All students enrolled in marketing courses have the opportunity to participate in the co-curricular Marketing Club, DECA. Members have the opportunity to compete in marketing competitions and earn scholarships. DECA courses are noted with a * symbol.

Future Business Leaders of America, or FBLA, is a student business organization open to anyone interested in Business. During the school year, members develop leadership, team building, communication, and networking skills, through a variety of activities including service projects, social activities, career exploration, and competition. Students have fun and build confidence as they transition from students to business professionals. FBLA courses are noted with a ** symbol.

REQUIRED

5130 - PERSONAL FINANCIAL MANAGEMENT
(10-12; .5 credit)
Students, as consumers, spend, save, and try to budget. Purchases of cars, homes, investments and insurance are in their future. Therefore, students need to be informed about financial responsibility today and prepare them for choices that lie ahead. The course topics are:
career-planning and goal-setting;

- pay, benefits, taxation and budgeting;
- banking services, checking and savings accounts;
- saving, investing and investment options;
- usefulness and hazards of credit;
- consumer skills, such as insurance, buying versus renting, and consumer rights and responsibilities. The students will use the Internet to complement textbook assignments.

Dual Credit: Students may receive dual credit through Missouri State University by successfully completing both Personal Financial Management and Missouri State's Fin 150 iCourse program.

Lindbergh High School provides four different options for students to meet the .5 credit for Personal Financial Management graduation requirement.

- Students may enroll and pass the LHS Personal Financial Management course for .5 credit.

- Students may receive personal financial credit through an embedded course - Accounting 1, Marketing II, IB Business Management or AP Economics - by earning a minimum grade of 80 percent in both semesters (no consideration of a weighted grade) in the course **and** pass the state online assessment with a score of 70 percent or better.

- Students may test out and receive personal financial credit toward graduation by scoring 90 percent or higher on the district online assessment.

- Earn .5 credit by taking Personal Finance through a correspondence course.

A student earning credit via test out or correspondence course must complete all requirements by **Dec. 31** of senior year, or the student will be enrolled in an LHS PFM course during the second semester of senior year.

ELECTIVES

5400 - ACCOUNTING 1 **
(10-12; 1 credit)
Accounting is the basis for making financial business decisions, contributing to business success. The principles of accounting for proprietorships, partnerships, and corporations are learned using theory, problems, and reinforcement activities. Students will prepare financial statements such as a balance sheet, income statement, and owner's equity statements. Computer simulations are used to complete the accounting cycle. This course is recommended for students who plan to major in business in college or want to be an entrepreneur. Students may earn college credit through St. Louis Community College.

5405 - ACCOUNTING 2 **
(11-12; 1 credit; Accounting 1)
This course is designed to build on principles in Accounting 1, with an opportunity to utilize accounting software and application of real-life business scenarios. This course will develop the foundation needed to continue the study of accounting in college or to seek employment in business. A grade of C or better in Accounting 1 is recommended.

5490 - AP ECONOMICS **
(11-12; 1 credit)
AP Economics is a yearlong course combining a semester of AP Microeconomics and a semester of AP Macroeconomics. Microeconomics and Macroeconomics are typically required college courses for any Business Management. Marketing or Finance major. The course is designed to help students develop critical-thinking skills through the understanding, application, and analysis of fundamental economic concepts. Students who score well enough on the AP Micro and AP Macro exams could earn 6 college credit hours or advanced placement at the post-secondary institution. This is equal to two college economic courses. College credit available.

1516 -BROADCAST SPORTS MARKETING
(9-12; 1 credit; Prerequisites: teacher permission; possible teacher recommendations)
This course will be split between broadcast journalism and marketing education with an emphasis on athletics at Lindbergh High School. This class will provide opportunities for students to engage in real-world learning experiences through a project based curriculum. The broadcast portion allows students to develop skills gained through filming, reporting, basic writing, interviewing, videography, and editing. Students complete various high quality productions related to the district's communications needs while incorporating their own original productions. In this course, students will use the creative process to write scripts for on camera talent and voiceovers. Students will gain experience using industry standard digital video and professional editing equipment. The marketing portion will focus on promoting athletic events at LHS. A heavy focus will be placed on digital marketing, primarily the different channels of social media used by businesses to promote products and events. Students will also design advertising for the new video scoreboard, and will help to sell advertising packages, as needed. When not working directly with the new scoreboard, students will assist in event marketing opportunities throughout the district. This course may count as a Practical Art credit.

5310 - BUSINESS AND PERSONAL LAW **
(10-12; .5 credit)
As students identify the need for laws, they will develop an appreciation of the rights, duties, and obligations of individuals as citizens and consumers. Criminal and civil law, as well as laws regarding family, employment, and contracts are introduced.

5300 - CAREER EXPLORATIONS
(9-11; .5 credit)
This is a one semester course designed to assist students in developing a career plan and preparing for their career goals, such as college planning, resume writing and interviewing.

5410 - ENTREPRENEURSHIP *
(10-12; .5 credit)
This introductory marketing and business management course takes a step-by-step approach to owning and operating your own business.

5270 - GRAPHIC DESIGN **
(10-12; .5 credit)
Learn how to create a variety of publications including fliers, brochures and newsletters using Microsoft Publisher. You will also edit photos and manipulate layouts using Adobe InDesign and Photoshop. If you like computers and being creative, this class is for you.

5480 - IB BUSINESS AND MANAGEMENT
(11-12; 1 credit)
This is a rigorous course designed to give students an understanding of business principles, practices and skills in the areas of Finance and Accounting, Human Resources, Operations Management, Marketing, and Business Environment. Students are expected to take the IB Business Management SL exam. Students taking this course may be eligible to receive dual-credit through St. Louis Community College. Students must meet all dual-credit college entrance requirements and pay all fees.

5290 - INTRODUCTION TO BUSINESS **
(9-12; .5 credit)
Through various discussions, simulations, use of technology, and peer collaboration, students are made aware of the integral role business plays in our society. Introductory units on the global economic environment, business organization and management, social responsibility, entrepreneurship, marketing, and operations are covered.

5470 - INTERNATIONAL BUSINESS AND MARKETING
(10-12; .5 credit)
This is a semester-long introductory business course designed to provide insight into the global business world. It is an excellent course pairing for students who are currently enrolled in a modern language (although this is not required), and will provide the opportunity to explore what the business world looks like in countries outside of the United States. Students will compare the business practices of different cultures, identify what it means to act ethically in a global business setting, examine the opportunities and challenges of global trade, and will have the chance to develop a global marketing plan for an existing company. Students completing this course will have the opportunity to complete a DECA summer study abroad program for 6-9 hours of college credit in Florence, Italy.

5460 - MARKETING 1 *
(10-12; 1 credit)
This course is designed to introduce the student to the field of marketing; covering such topics as advertising, promotions, economics, marketing concepts, selling, pricing distribution and career exploration.

5461 - MARKETING 2 *
(11-12; 1 credit; Marketing 1)
This course is designed to give additional attention to the topics covered in Marketing 1 with an emphasis on product planning, marketing research, marketing management, e-commerce, and employee management. A grade of C or better in Marketing 1 is recommended. Dual credit is available through Missouri State University.

5380 - MICROSOFT OFFICE 1 **
(9-12; .5 credit)
This course is designed for students who need to develop keyboarding skills and want to learn the applications in the Microsoft Office suite to create high-quality Word documents, Excel spreadsheets, and professional PowerPoint presentations.

5383 - MICROSOFT OFFICE 2 **
(9-12; .5 credit; Microsoft Office 1)
This course is designed for students who want to build on their Microsoft Office skills as well as receive an introduction to Publisher. Students will come away with a professional portfolio of projects and work samples.

5385 - SPORTS AND ENTERTAINMENT MARKETING *
(10-12; .5 credit)
Students will explore the basics of marketing through studying the sports and entertainment industries. They will use their marketing knowledge to help promote events through the LHS athletics department, as well as the theater department. Students also work together to create the publicity and social media advertising for Sunday Night Lights, which gives them a feel for what it is like to work in a marketing department of a non-profit organization.

PRACTICAL ARTS: COMPUTER SCIENCE

SUGGESTED PATHS OF STUDY

Computer Science is a career-field that is rapidly growing with a high-demand for workers with a background in Computer Science. The pathways below can help a student gain that background to pursue a post-secondary degree in Computer Science and also earn college credit from some institutions.

No. 1: Computer Science Algorithms, Computer Science Applications, AP Computer Science Principles OR AP Computer Science A, AP Computer Science A OR AP Computer Science Principles OR IB Computer Science Solutions

No. 2 (For students who have completed Honors Algebra 2): AP Computer Science A, AP Computer Science Principles OR IB Computer Science Solutions

Computer Science Credit Option: Section 170.018, RSMo allows a student to fulfill one unit of academic credit toward high school graduation with a district-approved computer science course for any mathematics, science, or practical arts unit required for high school graduation. In order for the district to allow computer science to fulfill a math or science credit, the student must have either taken or be on track to take courses that require end-of-course examinations for math and science. In addition, the parent, guardian, or legal custodian of each student who chooses to take a computer science course to fulfill a mathematics credit shall sign and submit to the school district a document containing a statement acknowledging that taking a computer science course to fulfill a math credit may have an adverse effect on college admissions.

COMPUTER SCIENCE ELECTIVES

Computer Science Algorithms (Grades 9-12)

Computer Science Applications (Grades 9-12)

AP Computer Science Principles (Grades 9-12)

AP Computer Science A (Grades 10-12)

IB Computer Science Solutions (Grades 11-12)

Technology Help Desk/Copilot (Grades 10-12)

Web Design 1 (Grades 9-12)

Web Design 2 (Grades 9-12)

COMPUTER SCIENCE

ELECTIVES

3451 - COMPUTER SCIENCE ALGORITHMS
(9-12; Semester 1; .5 credit; currently enrolled in Algebra 1 or higher)
Students will use the Scratch programming environment to learn various programming concepts to solve complex problems. At the end of the first quarter, students will develop a game using the Scratch programming environment. Students will then use those problem solving skills to learn how to manipulate a Robot in Karel using the JAVA programming language. This class is a prerequisite class for AP Computer Science.

3470 - COMPUTER SCIENCE APPLICATIONS
(9-12; Semester 2; .5 credit; Computer Science Algorithms)
Students will use programming fundamentals learned in the Computer Science algorithms class to develop applications and games in the Python programming language. At the end of the semester, students take the knowledge they have gained to develop a Python game from concept to reality. This is the next prerequisite class for AP Computer Science.

3500 - AP COMPUTER SCIENCE PRINCIPLES
(9-12; 1 credit; Pre-Algebra with B or higher OR enrolled in Algebra 1)
AP Computer Science Principles offers a multidisciplinary approach to teaching the underlying principles of computation. The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts. AP Computer Science Principles will give students the opportunity to use technology to address real-world problems and build relevant solutions. The AP Computer Science Principles curriculum focuses on the innovative aspects of computing as well as the computational thinking practices that help students see how computing is relevant to many areas of their everyday lives. This is a year-long course and students are encouraged to take the AP Exam in May upon completion of the course. This course does not go into the same coding depth as AP Computer Science A.

3490 - AP COMPUTER SCIENCE A
(10-12; 1 credit; Algebra 2 Honors OR Computer Science Applications OR Computer Science Teacher approval)
In this course, students learn to design, implement, and test programming solutions to problems using the Java programming language environment. Topics include input/output, control statements, iteration, classes and objects, arrays, recursion, searching and sorting of data. Students may take the AP Computer Science A exam upon completion of this course.

This class is required for IB diploma candidates to complete for their first year of Computer Science and then enroll in Computer Science Development to fulfill the requirements of the IB Diploma.

3493 - IB COMPUTER SCIENCE SOLUTIONS
(11-12; 1 credit; AP Computer Science A)
This capstone course creates opportunities for students to solve real-world problems using Computer Science fundamentals learned in previous classes as well as topics covered in class such as file processing, high-level data structures, software development, and de-bugging of programs. Students will work in collaborative groups and explore various programming languages to develop software solutions for a problem. Students will also complete an individual software solution as well during the course of the year. This class can also be taken as an Independent Study course with approval from Computer Science teacher.

This class is required for IB diploma candidates to complete their second year of Computer Science and take the IB Computer Science exam upon completion of the course.

5505 - TECHNOLOGY HELP DESK/COPILOT
(10-12; 1 credit; Completion of the introductory course in computer science or A+ certification and recommendation from computer science or A+ certification instructor)
Students will serve as technicians and trainers to support student and staff use of technology. Activities include analyzing device problems, installing software updates, and repairing damaged devices. Students may also be able to pursue independent pathways in technology learning if compatible with help desk responsibilities. Juniors and seniors have the option to utilize this class as an internship with approval.

3495 - WEB AND DESIGN 1
(9-12; .5 credit; enrolled in or completed Algebra 1)
This class will focus on web development with website design software and HTML encoding and CSS coding. Students will have hands-on experience on graphic editing and Web-oriented animation. Students will learn basic concepts and terminology about the Internet, World Wide Web, and Web development.

3496 - WEB AND DESIGN 2
(9-12; .5 credit; Web and Design 1)
In Web Design 2, students will focus on designing dynamic web pages using Java Script with ActionScript programming language. With successful completion of this course, students are able to design and create multimedia-based websites.

PRACTICAL ARTS: DRIVER EDUCATION

DRIVER EDUCATION ELECTIVES

Driver Education 1 (Grades 9-12)

Driver Education 2 (Grades 9-12)

DRIVER EDUCATION

ELECTIVES

5850 - DRIVER EDUCATION
(9-12; .5 credit; Students must be 15 years of age on or before Oct. 1st to take this course first semester, March 1st to take this course second semester, or June 1st to take this course during summer school)
The Lindbergh High Driver Education course goes beyond the maneuvering of a vehicle and gives students the knowledge and skills they need to become better, safer drivers. The main themes of the course include: the MO driver license program, defensive driving strategies, traction and roadway conditions, decision making, and vehicle ownership. This course utilizes many student-centered projects and hands-on activities, including driving simulators and pedal carts, to offer practical learning opportunities.

5851 - DRIVER EDUCATION 2
(9-12; no credit; Driver Education 1 or concurrent Driver Education 1 and must have earned their driving permit prior to beginning lessons)
This class will include four hours of behind the wheel instruction with a state certified instructor. Students will apply the knowledge acquired in the classroom to real world driving experiences. A fee of $175 is required, which includes:

- Four one-hour driving sessions
- Use of Driver Education car
- Insurance and gas
- DESE certified instructor

Driving instruction is scheduled after school hours and a student **must have earned their driving permit prior to beginning lessons**. Please use the Driver Education 2 form to register.

PRACTICAL ARTS: ENGINEERING TECHNOLOGY

ENGINEERING TECHNOLOGY ELECTIVES

A+ Certification (Grades 10-12)

Network+/Server+ Certification (Grades 10-12)

Product Manufacturing and Construction (Grades 10-12)

Technology Help Desk/Copilot (Grades 10-12)

PROJECT LEAD THE WAY ENGINEERING

Project Lead the Way is a pre-engineering program that addresses the educational needs of students planning to attend a two- or four-year college, leading to a career in engineering or engineering technology. **Students must be concurrently enrolled in a college prep math course.** The program, when combined with mathematics and science courses, introduces students to the scope, rigor, and discipline of engineering prior to entering college

PLTW ENGINEERING ELECTIVES

Introduction to Engineering Design (Grades 9-12)

Principles of Engineering (Grades 10-12)

Civil Engineering and Architecture (Grades 11-12)

Digital Electronics (Grades 10-12)

Engineering Design and Development (Grade 11-12)

ENGINEERING TECHNOLOGY

ELECTIVES

5553 - A+ CERTIFICATION
(10-12; 1 credit; B or higher in Algebra 1)
This is the foundation course for all computer technicians. The course will provide students with the theory and 60 hands on activities that allow them to build, install, upgrade, and repair personal computers and peripherals (printers, scanners, and modems). College credit is available at St. Louis Community College through the Tech Prep Articulation Agreement.

5530 - NETWORK+/SERVER+ CERTIFICATION
(10-12; 1 credit; A+ Certification)
This course prepares the student for successful completion of the CompTIA Network+ and Server+ Certification exam. Students build on the knowledge and skills learned in A+ Certification course and also learn the skills needed to install, upgrade, and repair local area networks, network hardware, network operating systems, TCP/IP essentials and utilities, and network security design. The Server+ certification credential validates advanced-level technical competency of server issues and technology, including installation, configuration, upgrading, maintenance, troubleshooting, and disaster recovery. This certification is geared toward mid-to-upper level technicians.

5510 - PRODUCT MANUFACTURING AND CONSTRUCTION
(10-12; 1 credit)
Students will learn to identify various types of materials and how they are used to make different products. The student will be introduced to the planning and designing of a finished product. The product may include small furniture construction, wood lamination, plastic lamination, metal fabrication and other aspects of manufacturing and construction. Power tools and will be used in this class. Students will also learn CAD / CAM operations on our CNC machines and laser cutter. Students will need to bring 15 dollars (cash or check made out to LHS). This fee will include safety glasses, earplugs, and consumables (i.e. paint, stain, glue, nails, screws, welding wire and gas). If the student cannot afford the fee, let the instructor know and we can work something out.

5505 - TECHNOLOGY HELP DESK/COPILOT
(10-12; 1 credit; Completion of the introductory course in computer science or A+ certification and recommendation from computer science or A+ certification instructor)
Students will serve as technicians and trainers to support student and staff use of technology. Activities include analyzing device problems, installing software updates, and repairing damaged devices. Students may also be able to pursue independent pathways in technology learning if compatible with help desk responsibilities. Juniors and seniors have the option to utilize this class as an internship with approval. :

PLTW ENGINEERING

ELECTIVES

5560 - INTRODUCTION TO ENGINEERING DESIGN
(9-12; 1 credit)
This course teaches students to be problem solvers by using the design process for product development. Students will learn to use different types of computer-aided drafting software, such as AutoCAD and Autodesk Inventor, to produce three-dimensional models and working drawings of their solutions. This course follows national and state standards for mathematics, science, and technology, and prepares students to pursue two or four-year college degrees in engineering or engineering technology. At the end of the year, students have the option of taking a college credit exam that is transferable to most colleges with engineering programs.

5561 - PRINCIPLES OF ENGINEERING
(10-12; 1 credit; Introduction to Engineering Design)
This class introduces the field of engineering and engineering technology and is beneficial for any student considering going into a two or four-year engineering or engineering technology program in college. This project based class will explore concentration areas in the engineering field such as mechanical, electrical, and control systems, material testing, and the engineering design process. Students will learn how to write technical reports, how to present their ideas on presentation software, and how science, math and technology are used by engineers on a daily basis. At the end of the year, students have the option of taking a college credit exam that is transferable to most colleges with engineering programs. This follows National and State standards for Mathematics, Science, and Technology.

5562 - CIVIL ENGINEERING AND ARCHITECTURE
(11-12; 1 credit)
This course provides an overview of the fields of Civil Engineering and Architecture, while emphasizing the interrelationship and dependence of both fields on each other. Students use state-of-the-art software to solve real-world problems and communicate solutions to hands-on projects and activities. This course covers topics such as the roles of civil engineers and architects, project planning, site planning, building design and project documentation and presentation. This course follows national and state standards for mathematics, science, and technology and prepares students to pursue two or four-year college degrees in engineering or engineering technology.

5565 - DIGITAL ELECTRONICS
(10-12; 1 credit)
This course provides an overview of the field of Electrical Engineering. Students will start with the beginning of electronic circuits and work their way into understanding complex electronic circuits using various integrated circuit chips. Students will use computer simulation software to design and test various circuits prior to the construction of these circuits on a breadboard in a digital and analog circuit trainer. This course follows national and state standards for mathematics, science, and technology, and prepares students to pursue two and four-year college degrees in engineering or engineering technology. At the end of the year, students will have the option of taking a college credit exam that is transferable to most colleges with engineering programs.

5567 - ENGINEERING DESIGN AND DEVELOPMENT (EDD)
(11-12; 1 credit, Introduction to Engineering Design, Principles of Engineering)
Engineering Design and Development (EDD) is the capstone course in the PLTW high school engineering program. It is an engineering research course in which students work in teams to design and develop an original solution to a valid open-ended technical problem by applying the engineering design process. The course applies and concurrently develops secondary level knowledge and skills in mathematics, science, and technology. Utilizing the activity-project-problem-based (APPB) teaching and learning pedagogy, students will perform research to choose, validate, and justify a technical problem. After carefully defining the problem, teams of students will design, build, and test their solution. Finally, student teams will present and defend their original solution to an outside panel. While progressing through the engineering design process, students will work closely with experts and will continually hone their organizational, communication and interpersonal skills, their creative and problem solving abilities, and their understanding of the design process. Engineering Design and Development is a high school level course that is appropriate for 12th grade students. Since the projects on which students work can vary with student interest and the curriculum focuses on problem solving, EDD is appropriate for students who are interested in any technical career path. EDD should be taken as the final capstone PLTW course since it requires application of the knowledge and skills from the PLTW foundation courses.

PRACTICAL ARTS: FAMILY AND CONSUMER SCIENCES

FAMILY AND CONSUMER SCIENCES ELECTIVES

Child Development 1 (Grades 9-12)
Child Development 2 (Grades 9-12)
Cadet Teaching (Grades 11-12)
Introduction to Sewing (Grades 9-12)
Sewing 2 (Grades 9-12)
Foods 1 (Grades 9-12)
Foods 2 (Grades 9-12)
Foods 3 (Grades 10-12)
Fashion and Interior Design (Grades 9-12)
Relationships (Grades 9-12)

FAMILY AND CONSUMER SCIENCES

ELECTIVES.

5770 - CHILD DEVELOPMENT 1
(9-12; .5 credit)
Child Development 1 is a course designed to focus on assessing the impact of the parenting and caregiving roles in society. This course will provide students with a thorough range of information concerning positive parenting, family, patterns and considerations before pregnancy, human reproduction, family planning, prenatal care, labor and birth. Emphasis of this course will address the knowledge, skills, attitudes, and behaviors associated with supporting and promoting optimal growth and development of the newborn through age three. The students will be required to participate in a 48-hour baby simulator project.

5775 - CHILD DEVELOPMENT 2
(9-12; .5 credit; Child Development 1)
Child Development 2 is an advanced course in the study of children and occupational child care. An in-depth review of the development stages of children will be followed by the study of curriculum and the set-up and management of an early childhood center. This course will address more complex issues of early childhood education with emphasis on guiding the physical, social-emotional and intellectual development of children, as well as safety, health issues, guidance and discipline, speech, language and nutrition of the young child. Students will develop activities that will address the developmental and individual needs of toddlers and preschool-age children. Students will be required to spend time at the early childhood education building interacting with toddlers through age 5 multiple times per week. A grade of C or better in Child Development 1 is strongly recommended. In addition to high school credit for this course, the student has an opportunity to receive college credit through UMSL, Ed Psy 2212, Central Missouri State.

5777 - CADET TEACHING
(11-12; .5 credit; Child Development 1, concurrent with Child Development 2)
In this course, students will receive a general introduction in the areas of education and teaching. They will learn the basics of education, educational theories, administration, and the planning process. Students will be required, with assistance, to locate a school within Lindbergh Schools to complete their practicum hours throughout the semester. If the location is not on campus the student will need to provide their own transportation. Students will spend time in the classroom on campus twice a week and three days a week at their practicum location. Students will be able to make informed decisions about their future careers after exploring the field of education with this hands on experience. The class will only be offered 7th hour.

5745 - INTRODUCATION TO SEWING
(9-12; .5 credit)
This course is designed for the student with little or no sewing experience, but is interested in developing a life skill of creative sewing. Students will learn the fundamentals of sewing machine and serger operation, selection and alteration of commercial patterns, and construction techniques for making three basic garments. Students must supply fabric and basic sewing equipment.

5755 - SEWING 2
(9-12; .5 credit; Clothing Fundamentals)
This course allows students to review and further develop the sewing skills learned in Clothing Fundamentals. They will work with a greater variety of fabrics and more advanced construction techniques. Current trends in fashion will be covered throughout the semester. Students must supply fabric and basic sewing equipment. A grade of C or better in clothing fundamentals is strongly recommended.

5690 - FOODS 1
(9-12; .5 credit)
Foods 1 provides an opportunity for students to develop basic food preparation skills. Classroom and lab work experiences emphasize the following topics: safety and sanitation, quick breads, eggs, dairy, microwaves, cookies and nutrition. This course addresses the essential question of how individuals can prepare nutritious food choices while safely preparing high-quality food products.

5700 - FOODS 2
(9-12; .5 credit; Foods 1)
Foods 2 is a second level course that continues to prepare the student for independent living. Basic food preparation skills, with emphasis on fruits, vegetables, herbs and spices, sauces, yeast breads and pastries, the use and care of kitchen equipment, including knife handling, kitchen sanitation, and proper food handling techniques will be studied.

5715 - FOODS 3
(10-12; .5 credit; Foods 2 with C or higher)
Foods 3 students use all of the skills taught in Foods 1 and Food 2 to choose foods from around the world to prepare in class. Not only do students prepare foods from various cultures, they also learn about cultures from around the world while completing their classwork. Students will demonstrate their knowledge learned by completing various projects during the course. There is a lot of room for choice in this class from the types of foods to the types of projects.

5785 - FASHION AND INTERIOR DESIGN
(9-12; .5 credit)
This course provides the student who has an interest in and passion for fashion or interior design, with the opportunity to explore various dimensions in both studies. Students will study the psychological, social, cultural and economic aspects as well as the fundamentals of the elements and principles of design. Through a variety of activities, students will have the potential to discover their creative talents through self-expression and artistry. Careers and opportunities related to the fashion and interior design industry will be explored. One quarter will focus on Fashion Design and the next quarter will focus on Interior Design. Most art supplies will be provided, but students may be responsible for some materials.

5790 - RELATIONSHIPS
(9-12; .5 credit)
Relationships is a free thinking class where you'll learn a deeper understanding of real life family, friend, dating and marriage relationships, using self-exploration. This class will help you achieve positive and successful relationships in all aspects of life through activities, group work/projects, and class discussions.

PRACTICAL ARTS:
PROJECT LEAD THE WAY BIOMEDICAL SCIENCE

PLTW BIOMEDICAL SCIENCE ELECTIVES

Principles of Biomedical Science (Grades 9-10)

Human Body Systems (Grades 10-11)

Medical Interventions (Grades 11-12)

Biomedical Innovation (Grade 12)

PLTW BIOMEDICAL

ELECTIVES

5570 - PRINCIPLES OF BIOMEDICAL SCIENCE
(Year 1 of 4 Biomedical Sequence, 9-10; 1 credit)
In this course, students explore concepts of biology and medicine as they take on roles of different medical professionals to solve real-world problems. Over the course of the year, students are challenged in various scenarios including investigating a crime scene to solve a mystery, diagnosing and proposing treatment to patients in a family medical practice, to tracking down and containing a medical outbreak at a local hospital, stabilizing a patient during an emergency, and collaborating with others to design solutions to local and global medical problems. Students taking this course may be eligible to receive dual-credit through Missouri University of Science and Technology. Students must meet all college entrance requirements and pay all fees associated with dual-credit.

5572 - HUMAN BODY SYSTEMS
(Year 2 of 4 Biomedical Sequence, 10-11; 1 credit; Principles of Biomedical Science)
Students examine the interactions of human body systems as they explore identity, power, movement, protection and homeostasis in the body. Exploring science in action, students build organs and tissues on a skeletal Maniken®; use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration; and take on the roles of biomedical professionals to solve real-world medical cases. This course will count as a practical art credit. Students taking this course may be eligible to receive dual-credit through Missouri University of Science and Technology. Students must meet all college entrance requirements and pay all fees associated with dual-credit.

5574 - MEDICAL INTERVENTIONS
(Year 3 of 4 Biomedical Sequence, 11-12; 1 credit; Human Body Systems)
Students follow the life of a fictitious family as they investigate how to prevent, diagnose, and treat disease. Students explore how to detect and fight infection; screen and evaluate the code in human DNA; evaluate cancer treatment options; and prevail when the organs of the body begin to fail. Through real-world cases, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics. Honors credit will be awarded for an A, B, or C in this course. Students taking this course may be eligible to receive dual-credit through St. Louis Community College or Missouri University of Science and Technology. Students must meet all college entrance requirements and pay all fees associated with dual-credit.

5576 - BIOMEDICAL INNOVATION
(Year 4 of 4 Biomedical Sequence, 12; 1 credit Medical Interventions)
In the final course of the PLTW Biomedical Science sequence, students build on the knowledge and skills gained from previous courses to design innovative solutions for the most pressing health challenges of the 21st century. Students address topics ranging from public health and biomedical engineering to clinical medicine and physiology. They have the opportunity to work on an independent project with a mentor or advisor from a university, medical facility, or research institution. This course will count as a science credit. Honors credit will be awarded for an A, B, or C in this course. Students taking this course may be eligible to receive dual-credit through Missouri University of Science and Technology. Students must meet all college entrance requirements and pay all fees associated with dual-credit.

SCIENCE

SUGGESTED PATHS OF STUDY

9th Grade: Biology A, Biology or Biology Honors

10th Grade: Biology B, Physical Science or Chemistry Honors

11th Grade: Physical Science or Science Elective

12th Grade: Science Elective

SCIENCE ELECTIVES

Astronomy (Grades 11-12)

AP Biology (Grades 11-12)

AP Biology 2, IB Biology 2 (Grade 12)

PLTW Biomedical Innovation (Grade 12)

Chemistry (Grades 11-12)

AP Chemistry (Grades 11-12)

AP Chemistry 2, IB Chemistry 2 (Grade 12)

Earth Science (Grades 11-12)

Environmental Science Grades 11-12)

AP Environmental Science (Grades 11-12)

Human Anatomy and Physiology (Grades 11-12)

PLTW Medical Interventions (Grades 11-12)

PLTW Biomedical Innovation (Grade 12)

Meteorology (Grades 11-12)

Physics (Grades 11-12)

AP Physics 1 (Grades 11-12)

AP Physics 2 (Grade 12)

AP Physics C: Mechanics (Grade 12)

SCIENCE

REQUIRED

4205 - BIOLOGY A
(9; 1 credit)
This is the first year of a two-year program in Biology for students who have experienced some difficulty in previous science courses. The complete Biology course is divided into two years of study. Along with Biology concepts, fundamental science skills will be taught.

4210 - BIOLOGY B
(10; 1 credit; Biology A)
Biology Part B is the second year of a two year Biology program. With the completion of both Biology Part A and Biology Part B, two units of credit are given toward graduation. For college admission purposes, this two-year program is equivalent to one unit of Biology.

4200 - BIOLOGY
(9; 1 credit)
Biology begins with a discussion of the unique properties of living organisms that set them apart from the non-living components of the environment in which they live. The presentation of molecular and cellular biology follows and gives a background for the concepts of reproduction and genetics. Units dealing with microbiology, multicellular plants, invertebrate animal life, vertebrate animals, and evolution follow. Finally, an overview of the sphere of life on earth is presented. Much time is spent using methods in experimentation and observation, collecting and interpretation of data, followed by drawing of conclusions. This course is a prerequisite for all other biological sciences, and is a good basic course to take before college biology.

4202 - BIOLOGY HONORS
(9; 1 credit; recommended B or better in 8th grade science and math)
This course is recommended for freshmen excelling in science. This is an accelerated introductory biology course which will prepare students to continue in the sequence with Chemistry Honors, AP Biology, AP Chemistry, and/or Physics. In this course, the fundamental concepts of biology are developed. This course covers the same concepts as the Biology course, but in more depth and greater emphasis on outside work.

4100 - PHYSICAL SCIENCE
(10; 1 credit)
Physical Science is a required, two semester course covering basic chemistry first semester and physics concepts second semester. This course serves as a foundation for all students. The topics covered include Newton's laws of physics, momentum, work, energy, electricity, magnetism, classifying matter, chemical reactions, atomic structure, and chemical bonding. This is a hands-on course that is designed to apply the concepts above to real world situations.

4302 - CHEMISTRY HONORS
(10-11; 1 credit; Honors Biology or Biology, recommended B or better in previous math and science courses)
This course is recommended for students interested in pursuing a career in the science and health fields. Honor Chemistry is the required class for students who plan to enroll in upper-level AP Biology and/or AP Chemistry. In this course, students will make connections to the fundamental laws of chemistry, and acquire the content knowledge and laboratory experience in preparation for the upper-level sciences. The laws of chemistry are presented qualitatively, with much emphasis placed on problem-solving.

ELECTIVES

4418 - ASTRONOMY
(11-12; .5 credit; Biology and Physical Science, recommended C or better in Algebra 1 and concurrent Geometry)
This is a semester course is designed for students who want a challenging physics-based college preparatory course in space science. A good grasp of math and application of concepts will allow the student to learn how modern day astronomers study our universe. Some of the topics include star formation, observing the objects beyond our earth, how our sun affects our earth, theoretical discussion on our solar system, galaxy and universe, and current NASA programs and future space exploration. Upon completion of Astronomy, students will have a better appreciation for the universe, as well as our world. Content will be presented through lecture, video, individual and group projects, field trip, labs, and computer based research.

4224 AP BIOLOGY
(11-12; 1 credit; Honors Biology and Chemistry Honors, recommended A or B in Biology Honors or Chemistry Honors)
AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes, energy and communication, genetics, information transfer, ecology, and interactions.

4231 - AP BIOLOGY 2
(Only available for students who took AP Bio 1 in the 2021-22 school year)
(12; 1 credit; recommended A or B in Pre-AP/IB Biology 1)

4232 - IB BIOLOGY 2
(Only available for students who took AP Bio 1 in the 2021-22 school year)
(12; 1 credit; recommended A or B in Pre-AP/IB Biology 1)
This course is recommended for seniors excelling in science and interested in pursuing a career in science and health. This course will provide an intensive, in depth and investigative approach to the study of biology. Emphasis will be placed on ecology, microbiology, botany, zoology, evolution, and human anatomy and physiology. Upon successful completion of the second year the student is eligible to take the high level IB exam and the AP exam.

5576 - BIOMEDICAL INNOVATION
(Year 4 of PLTW Biomedical Science Sequence, 12; 1 credit; Medical Interventions)
In the final course of the PLTW Biomedical Science sequence, students build on the knowledge and skills gained from previous courses to design innovative solutions for the most pressing health challenges of the 21st century. Students address topics ranging from public health and biomedical engineering to clinical medicine and physiology. They have the opportunity to work on an independent project with a mentor or advisor from a university, medical facility, or research institution. Honors credit will be awarded for an A, B, or C in this course.

4300 - CHEMISTRY
(11-12; 1 credit; Algebra 2 concurrently)
This course allows chemistry to be understandable and accessible to all students. The emphasis is on the role chemistry plays in everyday life, thus helping the student to better understand the scientific issues affecting our country and the world. Students will be able to make more informed and reasoned decisions on crucial scientific issues. Some of the topics studied are atomic theory, chemical reactions, gas laws, organic chemistry, biochemistry and problem-solving. This course will prepare students to take chemistry in college.

4324 -AP CHEMISTRY
(11-12; 1 credit; Biology, Chemistry Honors and concurrent Trigonometry, recommended A or B in both Chemistry Honors and Algebra 2)
The AP Chemistry course provides students with a college-level foundation to support future advanced coursework in chemistry. Students cultivate their understanding of chemistry through inquiry-based investigations, as they explore content such as: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium. Units of study include a review and extension of chemistry covered in Chemistry Honors.

4341-AP CHEMISTRY 2
(Only available for students who took AP Chem 1 in the 2021-22 school year)
(12; 1 credit; Pre-AP/IB Chemistry 1)

4343 - IB CHEMISTRY 2
(Only available for students who took AP Chem 1 in the 2021-22 school year)
(12; 1 credit; Pre-AP/IB Chemistry 1)
This course is a follow-up to Pre-AP/IB Chemistry 1 and extends the ideas and topics covered in that course with the addition of Kinetics, Equilibrium, Thermodynamics, and Electrochemistry. Emphasis will be placed on lab and other direct experiences with the topics covered including the extensive use of Organic Chemistry, Environmental Chemistry and Biochemistry. Students will be prepared to take Standard Level International Baccalaureate Chemistry Exam or Advanced Placement Chemistry Exam.

4120 - EARTH SCIENCE
(11-12; 1 credit; Biology and Physical Science)
Earth Science is designed to be an introductory college course emphasizing basic principles of Geology (rocks), Meteorology (atmosphere), Oceanography and Astronomy (Space). Topics covered include the origin of the Universe, solar system and Earth, minerals and rocks, plate tectonics, geologic time, prehistoric life and evolution, ocean structure and life, weather and climate change. Special attention will be given to the impacts humans are having on Earth, the cause and effects of major natural disasters and Missouri Geology. First semester students will be offered the opportunity to attend a field trip to the St. Francis Mountain region in Southeast Missouri including stops at Elephant Rock, Johnson Shut-Ins and Taum Sauk State Parks.

Students taking this course may be eligible to receive dual-credit through St. Louis Community College. Students must meet all college entrance requirements and pay all fees associated with Dual-credit.

4290 - ENVIRONMENTAL SCIENCE
(11-12; 1 credit; Biology and Physical Science)
This course is for students interested in studying the environment. Environmental Science is designed to give students a current and comprehensive overview of environmental issues at the global, national and local level. Subject matter is grouped into thematic units of Ecology, Air, Land, Forests, and Water. Students will be exposed to issues of politics with the environment as well as investigating solutions to problems and how individuals can make a difference. The format is very interactive; using projects, lab activities, and field trips to the Gempp outdoor classroom. Weekend Ozark trips are offered during the year to enhance our experience in the environment.

4295 - AP ENVIRONMENTAL SCIENCE
(11-12; 1 credit; recommended C or better in Biology and Physical Science)
This course is designed to take students on an intensive tour of this popular topic. The class will provide a comprehensive overview of issues at the global, national, and local levels. Thematic units covering our air, land, and water will give students the chance to explore important topics regarding the atmosphere, world oceans, forests and rivers. Students will investigate a “green” perspective in our society and see the role politics and the individual citizen play in environmental stewardship. Advanced topics including Environmental Ethics, Biogeography, and the History of Environmental Science will be presented. Weekend field trips to Missouri’s National Forest and Wild Rivers will provide real experiences for students.

4270 - HUMAN ANATOMY AND PHYSIOLOGY
(11-12; 1 credit; Biology and Physical Science, recommended B or better for previous science courses)
This course is designed for students interested in pursuing a career in health. This course is designed as an introductory course in human anatomy and physiology. Dissection of a cat is mandatory and plays an integral part in reinforcing the material in this course. It is tailored to meet the needs of students in allied health, medical and biology programs. Many body systems are studied, with emphasis placed throughout on presenting the human body as a living, functioning, homeostatic organism. Clinical material and disease processes are introduced where appropriate. Upon completion of Human Anatomy and Physiology, students have a fuller understanding of the role body systems play in the organism and their relationships to each other. This course sets a good foundation for further Human Anatomy and Physiology studies at the college level.

5574 - MEDICAL INTERVENTIONS
(Year 3 of PLTW Biomedical Science Sequence, 11-12; 1 credit; Human Body Systems)
Students follow the life of a fictitious family as they investigate how to prevent, diagnose, and treat disease. Students explore how to detect and fight infection; screen and evaluate the code in human DNA; evaluate cancer treatment options; and prevail when the organs of the body begin to fail. Through real-world cases, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics.Honors credit will be awarded for an A, B, or C in this course.

4410 - METEOROLOGY
(11-12; .5 credit; Biology and Physical Science)
Meteorology is a semester course designed to familiarize students with earth's atmosphere and the weather events that take place in it. Fundamental chemistry and physics principles are utilized to help explain common weather and phenomena that can be observed throughout the world. A combination of laboratory activities, weather tools, and data collection are used to make students literate in the process of forecasting and broadcasting the weather.

4400 - PHYSICS
(11-12; 1 credit; Biology, Physical Science and concurrent Trigonometry)
This course is recommended for all seniors. This course is the study of motion and energy. The topics covered include kinematics, dynamics, momentum, gravity, energy, heat, sound, light electricity and magnetism, as well as atomic and nuclear physics. The course uses a lab approach to understand concepts. The development of problem solving skills is both quantitative and qualitative.

4402 - AP PHYSICS 1
(11-12; 1 credit; Biology, Chemistry Honors and concurrent Trigonometry)
This course is recommended for juniors and seniors excelling in science, but not necessarily interested in pursuing a career in engineering. This course is an accelerated study of physics and is equivalent to first-semester college course in algebra-based physics. A good background in math is expected as are good problem solving skills. The topics covered include Newtonian mechanics (rotational motion and angular momentum), work, energy, power, mechanical waves, sound, and electric circuits. The course uses lab experiments to understand concepts and includes both quantitative and qualitative problem solving skills. This course allows students to take the AP Physics 1 test at the end of the year as well as continue to AP Physics 2.

4403 - AP PHYSICS 2
(12; 1 credit; AP Physics 1 and concurrent Pre-Calculus)
This course is a continuation of AP Physics 1 and is equivalent to a second-semester college course in algebra based physics. The topics covered include fluid mechanics, thermodynamics, electricity and magnetism, optics, and atomic and nuclear physics. An emphasis will be placed on problem solving of multiple step and multiple concept questions. The course uses lab experiments to understand concepts and includes both quantitative and qualitative problem solving skills. This course allows students to take the AP Physics 2 test at the end of the year.

4405 - AP PHYSICS C: MECHANICS
(12; 1 credit; Biology, Chemistry Honors and concurrent Calculus)
This course is recommended for seniors excelling in math and science. Students may be interested in a career in math, science, or engineering. This course is an accelerated study of physics and is equivalent to a first-semester college course in calculus-based physics. An excellent background in math is expected as are good problem solving skills. The topics covered include kinematics, Newton's laws of motion, energy and power, momentum, circular motion and rotation, and oscillations and gravitation. The courses use lab experiments to understand concepts and include advanced problem solving skills, which may be calculus based. This course allows students to take the AP Physics C: Mechanics test at the end of the year.

SOCIAL STUDIES

SUGGESTED PATHS OF STUDY

9th Grade: World History or World History Honors

10th Grade: U.S. Government and Politics or AP U.S. Government and Politics

11th Grade: U.S. History, U.S. History PBL or AP U.S. History

12th Grade: Social Studies Elective

SOCIAL STUDIES ELECTIVES

AP Human Geography (Grades 11-12)

AP Psychology (Grades 11-12)

AP World History (Grade 12)

Contemporary Issues (Grades 11-12)

General Psychology (Grades 11-12)

Geography (Grades 11-12)

Humanities (Grades 11-12)

IB Global Politics (Grade 12)

IB Theory of Knowledge (Grade 12)

Sociology (Grades 11-12)

U.S. Law and Society (Grades 11-12)

Women in American History (Grade 11-12)

SOCIAL STUDIES

REQUIRED

2200 - WORLD HISTORY
(9; 1 credit)
World History is a regional and chronological full-year study of the social, political, economic, technological, and geographic characteristics of world history between 1350 and present day. The first semester includes regional studies of the world pre-exploration, the first global age, and World War I. The second semester begins with World War II and then continues a regional approach examining the Middle East, Africa, Asia, Europe and the Americas including contemporary issues affecting these regions. At the end of the course, students will be able to answer the following questions: How has the changing relationship between human beings and the physical and natural environment has affected human life from early times to present? Why have relations among humans become so complex since early times? How have human views of the world, nature, and the cosmos changed over time? While covering the course material, students will develop skills such as writing, researching, communication, and inquiry.

2202 - WORLD HISTORY HONORS
(9; 1 credit)
In addition to the requirements of the World History course, the honors sections are characterized by more emphasis on analysis of historical documents, the evaluation of various perspectives and theories, and the development and defense of positions on historical debates through written and oral presentations. Students are expected to be independent readers willing to think critically about course material.

2500 - U.S. GOVERNMENT AND POLITICS
(10; 1 credit)
This course is a full year of the political, economic, and legal system of the United States, Missouri, and the St. Louis region. Particular focus is given to the constitutions of the United States and the state of Missouri; it is required by law for students to pass the Constitution tests for graduation from high school. In addition to the specifics of our political structures, topics included are the capitalist economic system, domestic policy, and foreign policy. This course is designed with emphasis on the development of inquiry and communication skills. The U.S. constitution test is administered during first semester and the Missouri Constitution test is administered during second semester.

2490 - AP U.S. GOVERNMENT AND POLITICS
(10; 1 credit)
This course will provide students with an analytical perspective on United States Government and Politics. The course includes both a study and interpretation of general concepts and specific examples in United States Government and Politics. The following topics will be covered in this course: The United States Constitution, Political Beliefs and Behaviors, Interest Groups and the Mass Media, United States Government Institutions, Public Policy and Civil Rights and Civil Liberties. This course is designed to challenge students with university level course work that will develop their reading, writing, and analytical and time management skills. Students will be expected to take the AP exam at the end of the year. The United States and Missouri Constitution tests are both administered during second semester and are required for graduation from high school.

2220 - U.S. HISTORY
(11; 1 credit)
United States History is a yearlong study of the political, economic and social developments that have shaped the nation. The course follows a chronological approach, also drawing clear connections among events and movements related to themes such as equality, economic, and foreign policy. Students will continue to improve their inquiry and communications skills while becoming informed, active citizens of the United States.

2225 - U.S. HISTORY PBL
(11; 1 credit)
In this required course, the design will be different than in a traditional American history course. Students will use historical themes to learn the major concepts in American history. Every unit students will complete a project and utilize available resources to solve a historical problem or situation. Unit projects will be presented every unit, and students should be prepared to present to their class and/or a larger audience.

2250 - AP U.S. HISTORY
(11; 1 credit)
In addition to the requirements of United States History course, the honors sections are characterized by more work emphasizing the analysis of historical documents, the evaluation of various perspectives and theories, and the development and defense of positions on historical debates through written and oral presentations. This course will prepare students to take the Advanced Placement exam.

Students taking this course may be eligible to receive dual-credit through St. Louis Community College. Students must meet all college entrance requirements and pay all fees associated with dual-credit

ELECTIVES

2401 - AP HUMAN GEOGRAPHY
(11-12; 1 credit)
AP Human Geography introduces the study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students will learn about the methods and tools geographers use in their discipline. Other key content areas include population, cultural patterns and process, the political organization of spaces, agricultural and rural land use, industrialization and economic development, cities, and urban land use. The fundamental concepts of location, space, scale, place, pattern, regionalization, and globalization will be used and applied. Students will be expected to take the AP exam at the end of the year.

2431 - AP PSYCHOLOGY
(11-12; 1 credit; teacher approval for 11th-graders)
AP Psychology will take an advanced look at human behavior and our mental processes. This course includes the application of methodology, research and discussion. Topics studied will include: sensation, perception, memory, learning, thinking, motivation, social development, personality assessment, and psychological disorders. Students will be expected to take the AP exam at the end of the year.

2605 - AP WORLD HISTORY
(12; 1 credit)
In this course students will investigate significant events, individuals, developments, and processes in six historical periods from approximately 8000 B.C.E. to the present. Students will work to develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical comparisons; and utilizing reasoning about contextualization, causation, and continuity and change over time. This course will prepare students to take the AP World History Exam at the end of the year.

2410 - CONTEMPORARY ISSUES
(11-12; .5 or 1 credit)
This course provides students with background knowledge about major international and domestic issues commonly found in the news media. Students will study and understand various philosophies that help create their political, economic, and social institutions. Sample topics include: Should the United States military intervene in violent conflict abroad? Is capital punishment just? What is the United States Government's responsibility in protecting the global environment? Rational discussion of the issues is an integral part of the course. Contemporary Issues may properly be regarded as a study of values in conflict; it is not merely a study of current events. The first semester of this course primarily addresses international issues, and the second semester addresses domestic issues.

2430 - GENERAL PSYCHOLOGY
(11-12; 1 credit)
General Psychology takes a practical approach to human behaviors and mental processes while emphasizing everyday application of basic concepts. Subjects include: neurology, sensation and perception, learning, development, personality theory, states of consciousness, abnormal psychology and social psychology.

2402 - GEOGRAPHY
(11-12; .5 credit)
Geography brings together the physical and human dimensions of the world. Its subject matter is Earth's surface and the processes that shape it, the relationships between people and their environment, and the connections between people and places. It is a way of thinking about where things are and how they got there. This semester course introduces the basic tools and concepts of geography including; cartography, space, weather, climate, landforms and natural resources, human geography and systems, and human environment interaction.

2461 - HUMANITIES
(11-12; .5 or 1 credit)
Humanities is the study of the human condition and how human cultures have impacted each other over time. During the first semester, students learn about the ancient cultures of the past to see how they have directly influenced our own culture. From Mesopotamia and Egypt to the Greeks and Romans, students take an in-depth look at the literature, architecture, music, and art from these eras to discover who these people were and what their cultural impact has been. Second semester starts with an examination of art and music history. From the genius of Da Vinci to the inspiring works on Mozart and Beethoven, students discover some of the most culturally significant pieces of art and music ever created. Second semester finishes up with analysis of newly emerging art forms in our own country, such as the movie and film industry and the birth of Rock and Roll. Humanities will count as a Fine Art credit.

2265 - IB GLOBAL POLITICS
(12; 1 credit; Reading Proficiency & AP US History or US History)
Global Politics looks at the politics and policies among nations. Topics discussed include theories of international politics, levels of foreign policy analysis, conflict and peace, terrorism, globalization, human rights, development, environment, poverty, health, identity, and borders (migration).

Students will be presented with a theoretical background of international relations as well as case studies that will engage students. Students will also examine two contemporary political issues/challenges through self-selected case studies. In addition, students will participate in an engagement activity on a political issue of interest with ties to the course content, thus allowing them the opportunity to explore political issues affecting their own lives.

Students taking this course may be eligible to receive dual-credit through St. Louis Community College. Students must meet all college entrance requirements and pay all fees associated with dual-credit.

1650 - IB THEORY OF KNOWLEDGE
(12; 1 credit; IB Diploma Candidate)
In some respects, the Theory of Knowledge course focuses on problems of knowledge traditionally addressed in philosophy classrooms: How do we know what we know? On what basis (e.g., moral, scientific, aesthetic, theological) are different truth claims made? How and why do these truth claims overlap and/or conflict? In addition, the course invites students to examine what has more recently been described as "cross-disciplinary" approaches to knowledge: How do we define the boundaries between "hard" and "soft" sciences? What is at stake in recent controversies concerning the nature and functions of history? Who is fighting the so-called "culture wars"? Why? This course is required and available only for students pursuing the IB Diploma and will be graded on a pass/fail basis.

2450 - SOCIOLOGY
(11-12; .5 credit)
This course is an introduction to the foundations and applications of the field of sociology. The course is divided into six units which examine the primary issues and concerns with which sociologists work. The course also investigates social problems and examines a variety of suggested solutions to these problems. Additionally, the course is designed to familiarize the student with social science research methods and will require the student to conduct his/her own research in a field of interest.

2340 - U.S. LAW AND SOCIETY
(11-12; .5 credit)
Law and Society is a one-semester elective that engages students in an exploration of the United States Law and its role in their lives. Students will analyze legal issues and problems and think critically to develop their own solutions. Students will participate in the law process through a variety of exercises and be encouraged to take an active role in our legal system.

2355 - WOMEN IN AMERICAN HISTORY
(11-12; .5 credit; U.S. History, U.S. History PBL or AP U.S. History; teacher approval for 11th-graders)
This course seeks to explore what has (and has not) changed for American women from the founding of the country through present day. By looking historically at the ideas and experiences of women in the United States, from the 1600s through to current times, this course will synthesize the experience of the American woman. The goal will be to understand not just what women have done but also how many fundamental moments and issues in US history – including the formation of the early republic, religious revival movements, reform crusades, slavery, war and race relations – have hinged on certain notions of gender. Studying women's history also means being aware of the way women have been divided by class, race, ethnicity, and more, and that while the voices of white, elite women tend to predominate, the experiences of less privileged women and women of color have also had significant effects on shaping the American past, present, and future.