Live Oak High School

Junior Scheduling Packet

2025-2026

Student Name: _____ **ID#:** _____

LIVE OAK HIGH SCHOOL

2025-2026 JUNIOR SCHEDULE REQUEST FORM

CHOOSE CORE CLASSES

ENGLISH

University:

____English III
____English III AP
____English III (GF)
(can be taken by Jumpstart students)

Jumpstart:

____Business English
____Technical Writing
(can be taken as an elective by University students)

MATH

University:

____Adv Math
____Algebra II
____Algebra II (H)
____Algebra III (DE)
____Geometry
____Geometry (H)
____Pre-Calculus (DE) (Algebra & Trig)
____AP Statistics
____AP Calculus AB
____AP Calculus BC
(can be taken by Jumpstart students)

Jumpstart:

____Business Math
____Financial Math
____Math Essentials
(can be taken as an elective by University students)

SOCIAL STUDIES

____US History
____AP US History
____AP/DE Psychology

SCIENCE

____AP Biology
____Biology II (DE)
____Chemistry I
____AP Chemistry
____Chemistry I (H)
____Chemistry II DE
____Physics DE
____Physics AP
____Human Anatomy
____Environmental Sci
____AP Environmental Science

____Ag I & II

PE & HEALTH

____PE II
____Health
(will be paired with ½ PE)
____Team Sports

CHOOSE REMAINING REQUIRED & ELECTIVE COURSES

If you have not yet taken your final foreign language course, Media Arts I, health or PE, you HAVE to register for those courses. See scheduling packet for elective and AP courses.

ARTS	Foreign Language	Elective Courses or Courses that need to be made up:
Required in Tops University Diploma	**Required in Tops University Diploma**	1)_____
____ Media Arts	____Spanish I	2) _____
	____Spanish II	3)_____
	____ASL I/ASL II	4)_____

(Jumpstart students must choose the remaining courses needed in their Pathway)

Student and Legal Guardian signatures are required and indicate receipt of TOPS and Current Graduation Requirements. Students who schedule AP classes for the upcoming school year agree to pay the established fees as listed. **Students who are still enrolled in AP classes after May 10th will not be allowed to drop AP classes for any reason.**

Student name: _____ Date: _____

Parent signature: _____ Date: _____

11th Grade Electives

Allied Health/Medical Interventions
Automotive Technology
Aviation I – Aerospace Engineering
Aviation II – Pilot Pathway
AP Studio Art Design
Automotive (at the Tech Center)
Ag I/NCCER Core, Ag II
Band
Career Internship
Carpentry I, II
Computer Science Essentials
Cybersecurity
Digital Media II (Media Arts Internship – must have certifications in Illustrator and Photoshop)
Electrical I, II
Emergency Medical Response (First Aid)
Entrepreneurship/Marketing
Foundations of Education
IBCA
Introduction to Health Occupations
Media Arts I/Media Arts II
Medical Assisting
Medical Interventions
Medical Terminology
Multimedia Productions (Media Arts is a pre-req)
Music Appreciation DE
Principals of Biomedical Science
Prostart I, II, or III (III is an internship)
Publications I/Publications II (Media Arts I is a pre-req)
Remote Control Technology (Drones)
Retail Marketing (t-shirt room)
Sociology
Sports Med I, II, or III (III is an internship)
Theater (only if you have a Talented Theater IEP)
Welding I, II, or III

Early Dismissal – College or Career Internship (work-based learning)

Early Dismissal College/Dual Enrollment: *SENIORS ONLY*

*Online course through LSUA - one three-hour college credit in fall; one three-hour college credit in spring

*Parents/students must pay out-of-pocket costs (around $150 per semester plus books) and $20 application fee

- **Tentative Fall 2024 Course:** Communication Fundamentals, **Tentative Spring 2025 Course:** Introduction to Mass Media.

*Apply for admissions online at www.lsua.edu(more information once you are registered through PowerSchool)

Career Internship: *SENIORS ONLY*

Must have a part-time, paying job before the Fall 2025 semester begins

Automotive Classes

*Located at the Technology Center between Denham Springs and Walker on Hwy 190 - must have own transportation

*May be in the morning or afternoon – will go to school half a day opposite the tech center schedule

*Must fill out application on-line

Firefighter Course

*Must have CPR and EMR certifications by 7/30/2025

*Located at the Fire District Training Station in Walker – must have own transportation

*Classes from 1:30-3:30 on Monday – Thursday

*Must fill out separate application

SENIORS ONLY

Biomedical STEM Pathway Courses

Principles of Biomedical Science - From design and data analysis to outbreaks, clinical empathy, health promotion, and more, students explore the vast range of careers in biomedical sciences. They develop not just technical skills, but also in-demand, transportable skills that they need to thrive in life and career.

Anatomy & Physiology/Human Body Systems - Students experience real-world scenarios and cases to see medicine in action – as they diagnose and provide treatment and rehabilitation to patients at an outpatient center, keep clients safe and healthy on adventure medicine trips in remote locations, and work in a research center to design laboratory investigations to explore development and aging.

Allied Health (Medical Interventions) –

Students delve into activities like designing a prosthetic arm as they follow the life of a fictitious family and investigate how to prevent, diagnose, and treat disease.

Computer Science Pathway Courses

Computer Science Essentials - foundational computer science concepts, including computer systems, programming, networks, and data management. The course also introduces students to foundational computer science skills such as coding, troubleshooting, and being a responsible digital citizen.

CyberSecurity (Prerequisite: Algebra I) - Cybersecurity lays a foundation of understanding cyber law and policy, Linux, networking technology basics, risk assessment, cryptography, and a variety of essential cybersecurity tools – all the essential knowledge and skills needed to begin a future in the cyber workforce.

AP Computer Science Principles - Students learn to design and evaluate solutions by apply computer science to solve problems through the development of algorithms and programs. Students also explore how computing innovations and computing systems—including the internet—work, explore their potential impacts, and contribute to a computing culture that is collaborative and ethical.

AP Computer Science A (Prerequisite: Algebra II) - college-level computer science course. Students cultivate their understanding of coding through analyzing, writing, and testing code as they explore concepts like modularity, variables, and control structures.

TWO DIPLOMA TRACKS IN LOUISIANA

TOPS University Diploma

(students who want to attend a 4-year university upon HS graduation should pursue this route)

English – 4 units
- English I
- English II
- English III
- English IV

Math – 4 units
- Algebra I
- Geometry
- Algebra II
- Advanced Math, Calculus, Statistics or Alg III

Science – 4 units
- Biology
- Chemistry

2 units from: Physical Science, Earth Science Biology II, Chemistry II, AP Chemistry, Physics, Physics II, Environmental Science, Agriscience I & II**

Social Studies – 4 units
- World Geography or AP Human Geography
- Civics or AP Comparative Government
- US History or AP US Hstory
- World History or AP World History

PE – 1 ½ unit **Health – ½ unit**

Foreign Language – 2 units
Spanish I & II or ASL I & II

Art – 1 unit
Media Arts

Electives – 3 units

Total – 24 units

TOPS Tech Jumpstart/Career Diploma

(for students pursuing 2-year college, vocational, technical program or workforce/employment upon HS graduation. *Ineligible for immediate 4-year university enrollment)

English – 4 units
- English I
- English II

2 units from: English III, English IV, Business English or Technical Writing

Math – 4 units
- Algebra I
- Geometry or Applied Geometry

2 units from: Math Essentials, Business Math, Financial Math

Science – 2 units
- Biology I

1 unit from Physical Science, Earth Science, Environmental Science, Agriscience I & II**

Social Studies – 2 units
- Civics
- US History

PE – 1 ½ unit **Health – ½ unit**

Jumpstart Courses/Credentials – 9 units

After you choose a Pathway you will choose 9 electives to meet the requirements of that Pathway, including at least **one** Credential class.

Total – 23 units

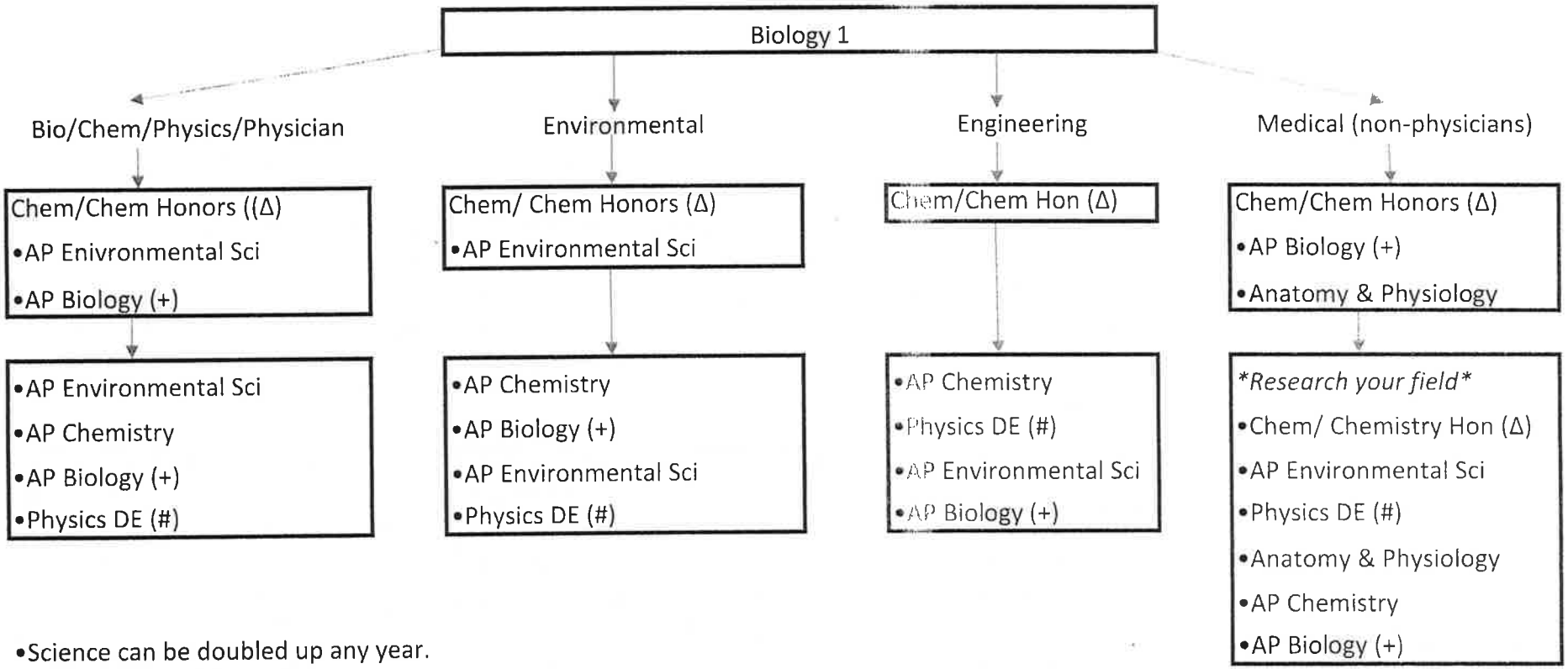
BOTH OF THESE ARE HIGH SCHOOL DIPLOMAS

*Must have Agriscience I & II to count for ONE Science credit

LOHS Elective Offerings by Jumpstart Pathway 2025-2026

PATHWAY	Architecture & Construction	Business Management or Hospitality	Digital Arts	Health Sciences	Transportation, Distribution & Development
9th grade	Cyber Society Intro Business Computer (IBCA) Intro to Health Occupations NCCER Core/Agriscience I	Cyber Society Intro Business Computer (IBCA) Intro to Health Occupations NCCER Core/Agriscience I Media Art I	Cyber Society Intro Business Computer (IBCA) Intro to Health Occupations NCCER Core/Agriscience I Media Art I Beginning Band Computer Science Essentials	Cyber Society Intro Business Computer (IBCA) Intro to Health Occupations NCCER Core/Agriscience I Principles of Biomedical Science	Cyber Society Intro Business Computer (IBCA) Intro to Health Occupations NCCER Core/Agriscience I
10th grade	First Responder (age 16 spring) Foreign Language 1 & 2 Agriscience II NCCER Carpentry I NCCER Welding I NCCER Electrical I	First Responder (age 16 spring) Foreign Language 1 & 2 Nutrition & Food (hospitality only) Advanced Nutrition & Food Agriscience II Media Art II Medical Terminology NCCER Carpentry I	First Responder (age 16 spring) Foreign Language 1 & 2 Intermediate Band Media Art II NCCER Carpentry I Agriscience II	First Responder (age 16 spring) Foreign Language 1 & 2 Medical Terminology Nutrition & Food Advanced Nutrition & Food Sports Med I	First Responder (age 16 spring) Foreign Language 1 & 2 Agriscience II Remote Controlled Vehicle Tech. NCCER Carpentry I Aviation I
11th grade	NCCER Carpentry II NCCER Welding II NCCER Electrical II Auto Technician I Chemistry Environmental Science Geometry Physics Basic Technical Drafting	ProStart I Publications I Chemistry Geometry Web Design I	Advanced Band Publications I Web Design	Patient Care Technician Sports Med II Chemistry Anatomy & Physiology Biology II	NCCER Carpentry II Automotive Technician I Aviation II Drones
12th grade	NCCER Welding III CTE Internship	ProStart II Publications II Environ. Science (hospitality only) AP Psych (hospitality only)	Publications II Multimedia Productions	Medical Assistant Sports Med III Environmental Science	Automotive Technician II CTE Internship

Science Majors



•Science can be doubled up any year.

**Chemistry Honors is not required to take AP classes.

(Δ) Must be enrolled or have already taken Algebra 2 in order to take Chemistry. If you need to take Geometry then you must enroll in either physical science or AP Environmental Science for 10th grade year with Chemistry for your 11th grade year.

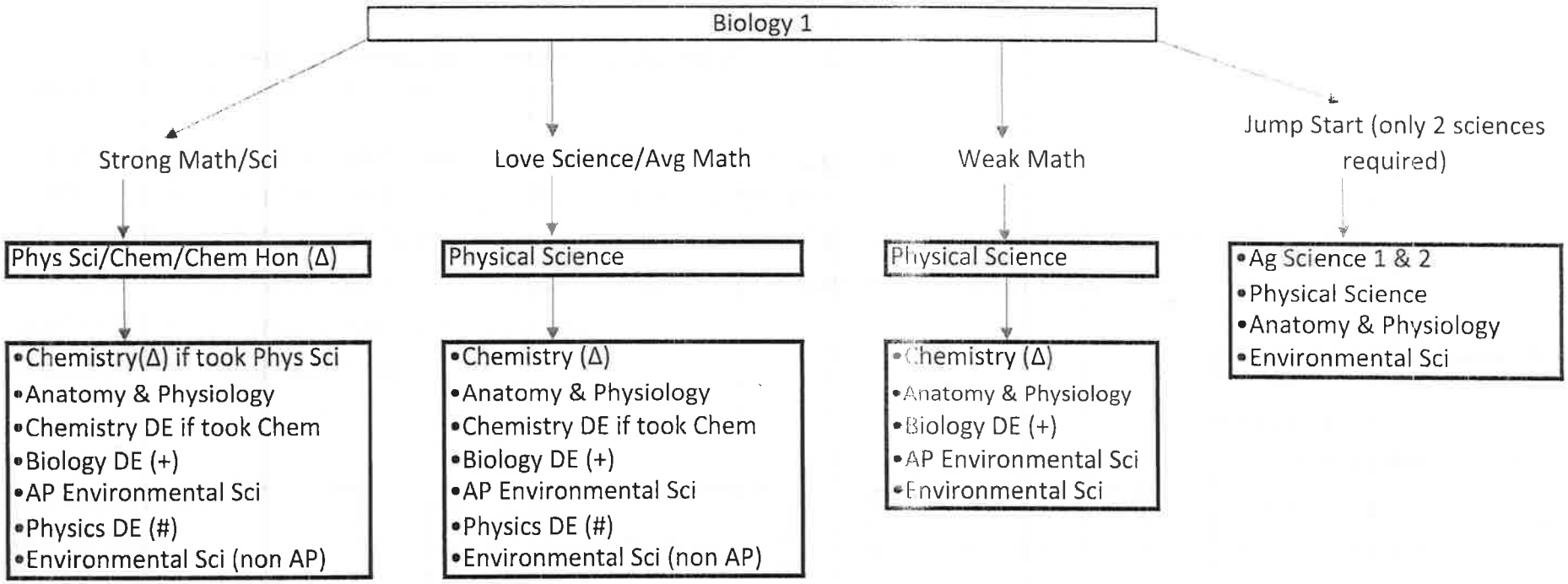
(#) Must be enrolled or have already taken Pre-Calculus to take Physics DE.

(+) Must be enrolled or have already taken Chemistry to be enrolled in AP Biology

**Above is just a suggestion; classes can be in different orders.

PLEASE ASK YOUR TEACHER OR COUNSELOR IF YOU HAVE QUESTIONS!

Non-Science Majors: Business, Education, Humanities, Arts, Computer Science, Math



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Aviation STEM Pathway Courses

Aviation I – Principles of Engineering *(both Pathways start with the same course)*

Semester 1 - In the Introduction to Flight Course, students pursuing the pilot and UAS tracks will take a closer look at the aircraft they may one day operate. Students will begin an exploration of the types of aircraft in use today before going on to learn how aircraft are made and how they fly. Students will understand how aircraft are categorized, be able to identify their parts, and learn about aircraft construction techniques and materials. They will gain an in-depth understanding of the forces of flight—lift, weight, thrust, and drag—including how to make key calculations. They will then touch on aircraft design, looking at stability, aircraft controls, and flight maneuvering. The course will conclude with a focus on career skills related to these topics.

Semester 2 - In the Aircraft Systems and Performance course, students in the pilot and UAS tracks will take an in-depth look at the systems that make manned and unmanned aircraft work. Beginning with aircraft propulsion, students will learn about the different types of engines that produce thrust to propel an aircraft or UAS. They will go on to explore other key aircraft systems, including fuel, electrical, landing gear, and environmental. To fly an aircraft safely, students must also learn about the flight instruments associated with each system and how to identify and troubleshoot common problems. This unit also covers airplane flight manuals, the pilots operating handbook, and required aircraft documents. Finally, students will learn about the factors that affect aircraft performance and how to determine critical operating data for aircraft.

Aviation II – *Pilot Pathway* - This course will cover the remaining topics necessary for students to take the Federal Aviation Administration's Private Pilot Knowledge Test. Students will review regulations, cross-country flight planning, weight and balance, performance and limitations, human factors, chart use, night operations, navigation systems, and aeronautical decision making. At the end of this course, a school may choose to arrange for students to be signed off to take the Federal Aviation Administration's Private Pilot written exam.

Aviation II – *sUAS (Drone) Pathway* - This course will cover small unmanned aircraft performance, ethics, human factors, aeronautical decision-making and judgment, safety protocols, weight and balance, maintenance, aviation weather sources and effects of weather (micro-meteorology) on small unmanned aircraft performance, small unmanned aircraft loading and performance, emergency procedures, crew resource management, and preflight inspection procedures. Students will be provided with the opportunity to participate in multiple practice examinations. Students will be prepared to complete the Federal Aviation Administration's Part 107 Remote Pilot Knowledge Test upon completion of this course.

AP Course Description
2024-2025

AP Studio Art –2-D Design – Grades 10-12 – Ms. Hodges-Teacher approval required– Prerequisite Media I (Certified in Photoshop and Illustrator)

Be an informed and critical decision-maker in order to develop a portfolio that is personal to your individual talents and interests, while demonstrating mastery of 2-D design principles; explore your creativity and become an independent thinker in your contributions to art and culture; learn to use 2-D design principles to organize an image on a picture plane in order to communicate content; demonstrate mastery through any two-dimensional medium or process, such as graphic design, digital imaging, photography, collage, fabric design, weaving, fashion design, fashion illustration, painting and printmaking; develop technical skills and familiarity with the functions of visual elements in order to create an individual portfolio of work for evaluation at the end of the course.

AP English Language – Replaces English III – Ms. Musso or Gifted AP English Language Ms. Doiron

An AP English Language and Composition course cultivates the reading and writing skills that students need for college success and for intellectually responsible civic engagement. The course guides students in becoming curious, critical, and responsive readers of diverse texts and becoming flexible, reflective writers of texts addressed to diverse audiences for diverse purposes. The reading and writing students do in the course should deepen and expand their understanding of how written language functions rhetorically: to communicate writers' intentions and elicit readers' responses in particular situations.

AP English Literature – Replaces English IV - Ms. Flurry or Gifted AP English Literature Ms. Doiron

The AP English Literature and Composition course focuses on reading, analyzing, and writing about imaginative literature (fiction, poetry,) from various periods. Students engage in close reading and critical analysis of imaginative literature to deepen their understanding of the ways writers use language to provide both meaning and pleasure. As they read, students consider a work's structure, style, and themes, as well as its use of figurative language, imagery, and symbolism. Writing assignments include expository, analytical, and argumentative essays that require students to analyze and interpret literary works.

AP Human Geography – Replaces World Geography for graduation requirement -Grades 9-12 – Mr. Reynolds

Learn about the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface; use spatial concepts and landscape analysis to examine human social organization and its environmental consequences and learn about the methods and tools geographers use in their science and practice; study the distribution, processes, and effects of the human population on the planet; learn how to use and interpret maps, data sets, geographic models, GIS, aerial photographs, and satellite images. Primarily offered to 9th grade as an introductory AP course.

AP/DE Psychology – Grades 11-12– Mr. Harrison

Explore how psychologists use research methods and critical analysis to explore human behavior; discuss how biological, cognitive, and cultural factors converge to facilitate acquisition, development, and use of language; explore the concepts, theories, perspectives, phenomena and behaviors associated with the subfields and research areas of psychology; analyze the methods psychologists use to study various types of behavior and mental processes and evaluate the [illegible]

AP United States Government Grade 10-12- Replaces Civics for graduation requirement - Ms. Foil – Ms. Parker

AP U.S. Government and Politics provides a college-level, nonpartisan introduction to key political concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the constitutional system and political culture of the United States.

AP US History – Grade 11 –Mr. Mitchell

Explore events of U.S. history through the use and analysis of documents, images, cartoons, quantitative data, and other primary sources; develop an understanding of major themes in U.S. history, including American identity, economic and social life, political change and continuity, and the U.S. role in the world; learn about the developments that have shaped U.S. history though the critical analysis of historical events and materials; learn to weigh evidence and interpretations to build your factual knowledge of U.S. history. Develop the ability to draw conclusions and use informed reasoning to present arguments clearly and persuasively in essay format.

AP World History Modern – Grade 12 – Mr. Mitchell

Focus on the development of historical thinking skills, not just the collection and memorization of information and events; learn how to analyze a point of view and to interpret historical evidence you to build and support an argument; explore key themes of world history, including interaction with the environment, cultures, state-building, economic systems, and social structures, from approximately 1200 to the present; learn to apply historical thinking skills including the ability to craft arguments from evidence; describe, analyze and evaluate events from a chronological perspective; compare and contextualize historical developments; and analyze evidence, reasoning and context to construct and understand historical interpretations.

AP Calculus AB – Grade 12 – Ms. Bolin or **Gifted AP Calculus** Ms. Johnson –Prerequisite Advanced Math or DE PreCalculus

Learn problem solving methods that you apply across real-world problems involving theorems, definitions, and functions represented in different ways; use technology to explore, experiment, interpret results, and support your conclusions; explore the key concepts, methods, and applications of single-variable calculus including functions, graphs, and limits, derivatives, integrals, and the Fundamental Theorem of Calculus; become familiar with concepts, results, and problems expressed in multiple ways including graphically, numerically, analytically, and verbally; use technology to help solve problems, experiment, interpret results, and support your conclusions.

Gifted AP Calculus BC Ms. Johnson Prerequisite Calculus AB

AP Calculus BC studies calculus of functions of a single variable and is designed cover material equivalent to a second semester college calculus course. The course features a multi-representational approach to calculus, with concepts, results, and problems expressed graphically, numerically, analytically, and verbally. AP Calculus BC applies the limits, derivatives, and integration learned in AP Calculus AB to parametrically defined curves, polar curves, and vector-valued functions; develops additional integration techniques and applications; and introduces the topics of sequences and series

Gifted AP PreCalculus – Ms Johnson

AP Precalculus prepares students for other college-level mathematics and science courses. Through regular practice, students build deep mastery of modeling and functions, and they examine scenarios through multiple representations. The course framework delineates content and skills common to college precalculus courses that are foundational for careers in mathematics, physics, biology, health science, social science, and data science.

AP Biology – Grades 10-12 – Ms. Messenger– Prerequisite Enrolled in Chemistry or Previously enrolled in Chemistry

Learn to think like a scientist, and become an independent investigator through student-directed laboratory investigations: pose the questions and determine the variables you want to investigate; design experiments and procedures; determine how best to present conclusions; learn about the core scientific principles, theories, and processes governing living organisms, biological systems, and natural phenomena; understand key science practices to develop explanations and predictions of natural phenomena, which will be tested and refined through laboratory investigations; develop advanced reasoning and inquiry skills as to design experiments, collect and analyze data using mathematics and other methods, and interpret that data to draw conclusions.

AP Chemistry – Grades 11-12 – Ms. Dalberg –Prerequisite Chemistry 1

Work in groups to think analytically about problems, identify experimental questions, and design experiments to answer those questions; engage in hands-on laboratory investigation to learn chemical concepts through direct experience and observations; learn about the fundamental concepts of chemistry such as structure and states of matter, intermolecular forces, reactions, and how to use chemical calculations to solve problems; develop the ability to think clearly and express ideas with clarity and logic, both orally and in writing. Work with classmates to conduct meaningful laboratory investigations in order to observe chemical reactions and substances, interpret findings, and communicate results.

AP Environmental Science Grades 10-12 – Ms. Whittington- Prerequisite Enrolled in Chemistry or Previously enrolled in Chemistry

Explore and investigate the interrelationships of the natural world, identify an analyze environmental problems, both natural and human-made, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving and/or preventing them. Participate in hands-on, laboratory and field investigations to apply scientific principles, concepts, and methodologies in order to better understand our natural systems and to critically think about environmental

Issues and political solutions.

AP Physics C Grades 11-12 – Ms. Dalberg This is a 2nd year Physics Course. Prerequisite – Chemistry and Physics 1

A full-year course that is the equivalent of a first semester introductory college course in physics. Students cultivate their understanding of physics through inquiry-based investigations as they explore these topics: kinematics; dynamics/ circular motion and gravitation; energy; momentum; simple harmonic motion; torque and rotational motion. Students will have the opportunity to take the Physics 1 or Physics C exam or both.

AP Statistics Grades 11-12 – Ms. Cooper – C 34 – Prerequisite one of the following: Advanced Math, DE Algebra III, DE Pre-Calculus

Equivalent to a one-semester, introductory, non-calculus-based college course in statistics. The course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data.

AP Computer Science P Grades -10-12 –Mr. McKenzie

The fundamentals of computing, including problem solving, working with data, understanding the internet, cybersecurity, and programming. Broadening your understanding of computer science for use in a diversity of majors and careers. Exam – one project during the course and one end-of-year exam: multiple choice.

AP Computer Science A Grades 11-12 Mr. McKenzie - Perquisite Algebra II

Learn the JAVA programming language and develop advanced problem solving skills using logic and mathematics. Recommended for students interested in studying Computer Science, Engineering, Math and all Science fields in college. One end-of-year exam: multiple choice and free response. VERY Math Oriented – Technical / Logic Thought Process. Computer Science P is not a prerequisite.

AP Capstone courses – Seminar and Research – Available only to students in schools that are participating in the AP Capstone program.

AP Seminar Grades 10-11 – Ms. Flurry

The first of two courses in the AP Capstone program. AP Seminar is a prerequisite for AP Research. If you earn scores of 3 or higher in AP Seminar and AP Research and on four additional AP Exams of your choosing, you will receive the AP Capstone Diploma. This signifies outstanding academic achievement and attainment of college-level academic and research skill. An AP 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. Students synthesize information from multiple sources and develop their own perspectives in research-based essays, design and deliver oral and visual presentations.

AP Research Grades 11-12- Ms. Joiner–Prerequisite -AP Seminar

While working with an expert advisor, explore an academic topic, problem, or issue that interest you and design, plan, and conduct a year-long research-based investigation to address it. This course culminates in an academic paper of 4,000-5,000 words and a presentation, with an oral defense; during which you answer 3-4 questions from a panel of evaluators.

Live Oak High School
PowerSchool Online Scheduling Instructions
2025-2026

Students will be entering their course requests using the PowerSchool program. Instructions for entering online course requests are as follows:

1. Go to lpps.powerschool.com/public

2. Enter your username and password
   Username = computer log in
   Password = computer password

3. Select the **Class Registration** icon on the left side of the screen.

4. To create your course requests, click on the yellow pencil to the right of the course group and the courses for that group will appear.

5. Students must choose 7 class periods for the year.
WARNING: If at least 7 credits are not scheduled, the system will give an error message.

6. Students will choose at least 1 alternate course. ***WARNING: Failure to choose at least 1 alternate course will cause the system to give an error message. Alternate courses must be DIFFERENT courses from the student's 1st choice already selected.***

7. Click "**submit**" and your schedule request will be displayed for viewing. Alternate courses are listed in alphabetical order, not order of preference.

Failure to select courses and return the course request form will result in a schedule made for you by the counselor. Please take the opportunity to choose your own classes.

Please email your students counselor with any questions
Deanna.Harris@lpsb.org 9th and 11th
Kimberly.Dudley@lpsb.org 10th and 12th

Online Scheduling will be available beginning February 15, 2025, and counselors will be available for questions during 8th hours. The signed course request form must be turned into their English teach by February 21, 2025.