Live Oak High School

Sophomore Scheduling Packet

2025-2026

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

LIVE OAK HIGH SCHOOL
2025-2026 SOPHOMORE SCHEDULING
CHOOSE CORE CLASSES

ENGLISH	MATH	SOCIAL STUDIES	SCIENCE	PE & HEALTH
____English II ____English II (E) ____English II (GF)	____Geometry ____Geometry (E) ____Geometry (GF) ____Algebra I ____Algebra II ____Algebra II (E) ____Algebra II (GF)	____Civics ____AP American Government ____World Geography	____Physical Science ____Biology I ____Biology I (E) ____Chemistry I ____Chemistry I (E) ____Agriscience II ____AP Environmental Science	____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 ____ Media Arts	**Required in Tops University Diploma** ____Spanish I ____Spanish II or ____ASL I/ASL II	1)_____ 2) _____ 3)_____ 4)_____

(Jumpstart students 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: _____

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

	Jumpstart (TOPS Tech)	TOPS University
Right now I'm taking:	Need to schedule:	Need to schedule:
English I	English II	English II
Math Essentials	Algebra I	----------
Algebra I	Geometry	Geometry
Geometry	----------	Algebra II
World Geography	Civics	Civics or AP Government
Civics	----------	World Geography
Biology	Physical Science OR Environmental (in 11/12 gr)	Physical Science OR Chemistry (with Algebra II)
Earth Science	Biology	Biology
PE I or Team Sports	PE II or Team Sports	PE II or Team Sports
Beginning Band	Intermediate Band	Intermediate Band

Electives available:

- American Sign Language I/II
- AP Computer Science Principles
- AP Seminar (invite only)
- AP Studio Art (Media Arts is prerequisite)
- Aviation – Principles of Engineering
- Computer Science I (Essentials)
- Cyber Society
- First Responder (Emergency Medical Responder)
- Human Body Systems (Anatomy & Physiology)
- IBCA (Introduction to Business Computers)
- Intro to Health Occupations
- Media Arts I or II (Media I is mandatory for TOPS Univ)
- Medical Terminology
- NCCER Core/Agriscience I or Agriscience II
- Nutrition & Food / Advanced Nutrition & Food
- Principles of Biomedical Science
- Remote-Controlled Vehicle Technologies
- Sociology
- Spanish I
- Sports Med I/II
- Studio Art Drawing
- Welding I, Carpentry I, Electrical I (NCCER Core is a prerequisite or should be scheduled with these courses)

Computer Science, Aviation & Biomedical STEM Pathway Courses

Computer Science Pathway

Computer Science Essentials

Overview: This foundational course covers essential computer science concepts, including:

- Computer systems
- Programming
- Networks
- Data management

📌 Skills Gained: Students develop foundational skills such as coding, troubleshooting, and responsible digital citizenship.

CyberSecurity (Prerequisite: Algebra I)

Overview: This course lays the groundwork for cybersecurity careers by exploring:

- Cyber law and policy
- Linux and networking technology
- Risk assessment
- Cryptography
- Essential cybersecurity tools

📌 Skills Gained: Students gain knowledge and skills needed to enter the cyber workforce.

AP Computer Science Principles

Overview: Students learn to design and evaluate solutions by applying computer science concepts to solve problems through:

- Development of algorithms and programs
- Understanding computing innovations and systems (e.g., the internet)
- Exploring potential societal impacts Skills Gained: Encourages collaboration and ethical computing practices.

AP Computer Science A (Prerequisite: Algebra II)

Overview: A college-level computer science course focusing on:

- Coding principles
- Analyzing, writing, and testing code
- Concepts like modularity, variables, and control structures

📌 Skills Gained: Prepares students for advanced programming and problem-solving.

Aviation STEM Pathway

Aviation I — Principles of Engineering

Overview: This foundational course is required for both the Pilot and UAS tracks. It includes:

Semester 1 - Introduction to Flight

- Explore modern aircraft types and how they are made.
- Learn about aircraft categories, parts, construction techniques, and materials.
- Study the forces of flight: lift, weight, thrust, and drag.
- Make key calculations and examine aircraft design, stability, controls, and maneuvering.
- Develop career-related skills in aviation.

Semester 2 - Aircraft Systems and Performance

- Study propulsion systems and engine types.
- Learn about fuel, electrical, landing gear, and environmental systems.
- Understand flight instruments, aircraft documents, and troubleshooting.
- Explore airplane flight manuals and performance calculations.

Aviation II — Pilot Pathway

Overview: Prepares students for the FAA Private Pilot Knowledge Test by covering:

- Regulations and flight planning
- Weight and balance considerations
- Performance limitations and human factors
- Chart usage, night operations, and navigation systems
- Aeronautical decision-making
    - Certification: Schools may arrange for students to be signed off to take the FAA Private Pilot written exam.

Aviation II — (Drone) Pathway

Overview: Prepares students for the FAA Part 107 Remote Pilot Knowledge Test by covering:

- Small unmanned aircraft performance and maintenance
- Ethics and human factors in drone operations
- Aeronautical decision-making and safety protocols
- Aviation weather and micro-meteorology
- Emergency procedures and crew resource management
- Preflight inspection procedures
    - Certification: Includes practice exams to ensure students are prepared for the FAA Part 107 test.

Biomedical STEM Pathway

Principles of Biomedical Science

Overview: Students explore the vast range of careers in biomedical sciences while developing technical and transportable skills. Topics include:

- Design and data analysis
- Outbreak investigation
- Clinical empathy
- Health promotion

Anatomy & Physiology / Human Body Systems

Overview: Students experience real-world medical scenarios by: Diagnosing and treating patients in outpatient centers • Keeping clients safe during adventure medicine trips e Designing laboratory investigations related to development and aging

Allied Health (Medical Interventions)

Overview: Students engage in hands-on activities, such as:

- Designing a prosthetic arm
- Investigating disease prevention, diagnosis, and treatment

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 validity and significance of their conclusions

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.

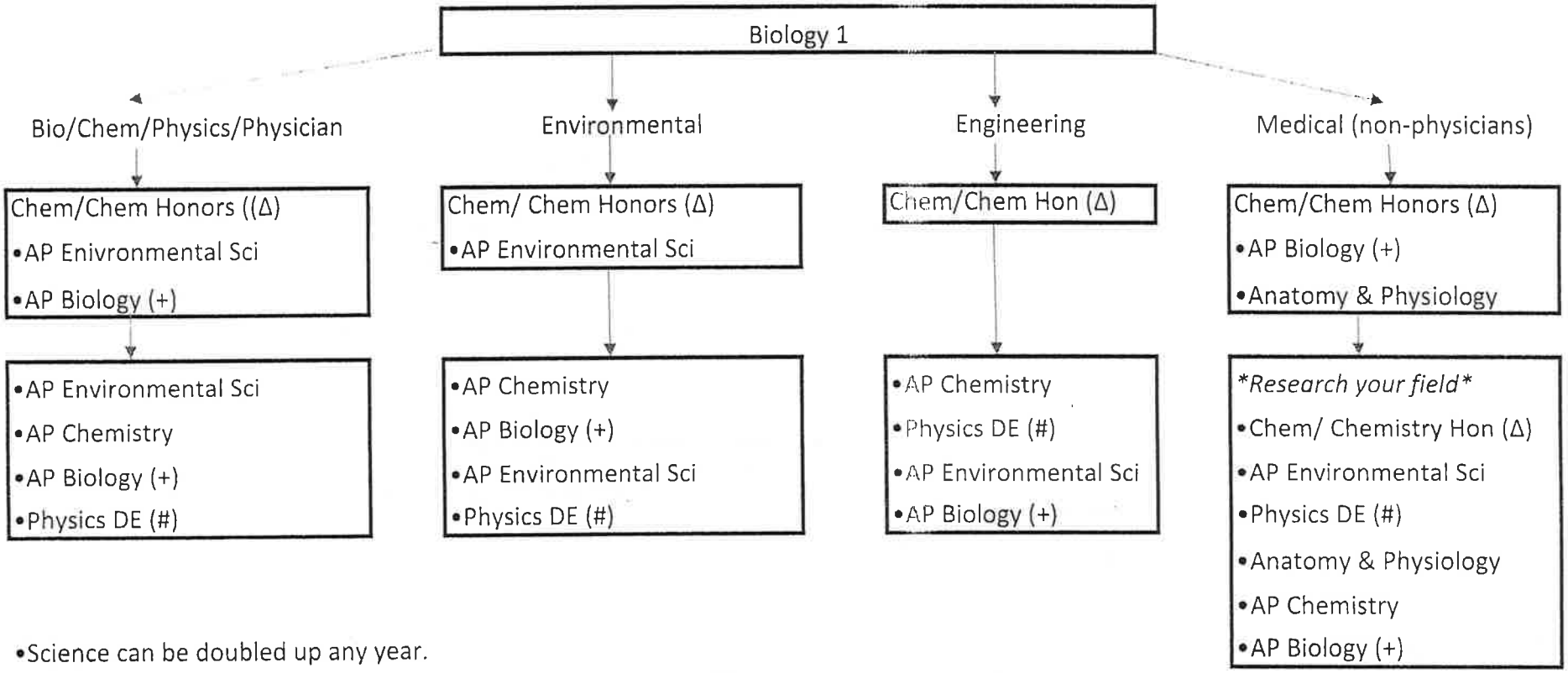
AP Seminar Grades 10-11 – Ms. Flurry

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.

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.

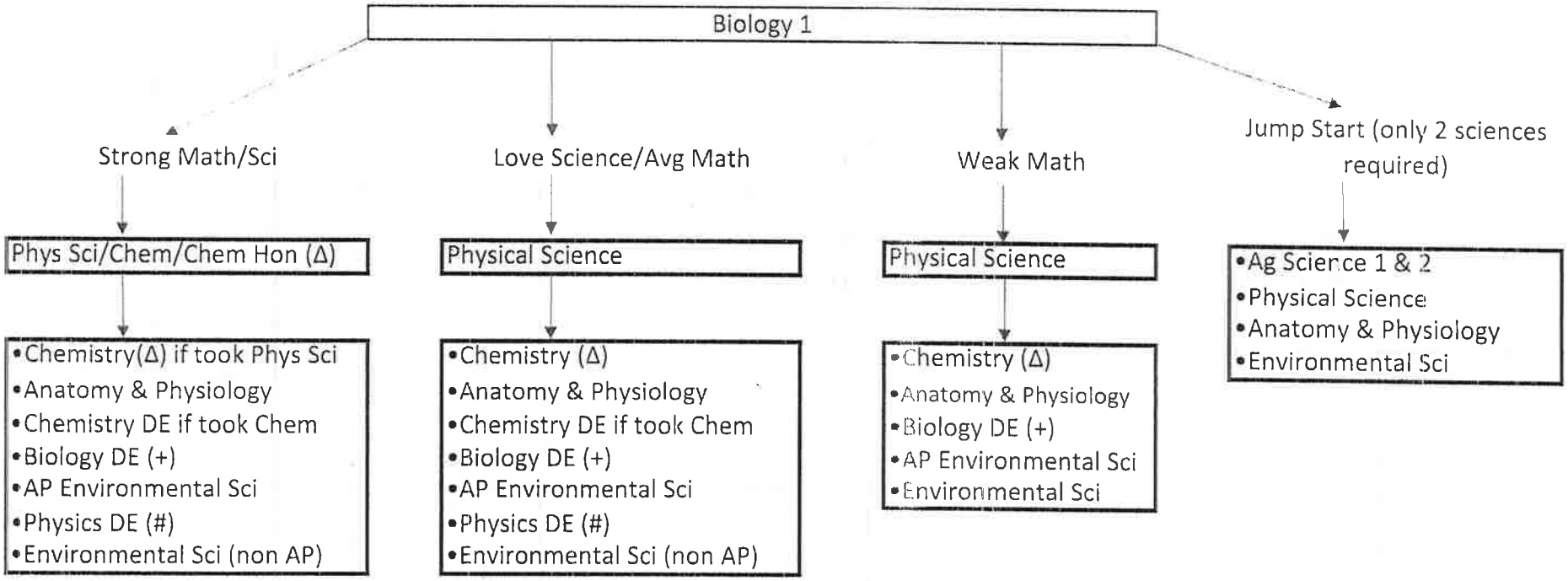
(#) Must be enrolled or have already taken Pre-Calculus to take Physics DE.

(+) 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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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

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 22, 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 28, 2025.