



# Curriculum for Diploma Pathways

## TOPS University Pathway

### 4 Units

- English I
- English II
- English III
- English IV

### ENGLISH



## Jump Start TOPS Tech Pathway

### 4 Units

- English I
- English II
- 2 units from the following: Eng. III, Eng. IV, Business English, Technical Writing

### 4 Units

- Algebra I
- Geometry
- Algebra II
- Advanced Math

### MATH



### 4 Units

- Algebra I
- 3 units from the following: Geometry, Math Essentials, Financial Literacy, Business Math, Algebra II, or Advanced Math

### 4 Units

- Biology
- Chemistry
- 2 units from the following: Phy. Sci., Bio II, Physics, Ag. II

### SCIENCE



### 2 Units

- Biology
- 1 unit from the following: Physical Science, Chemistry I, or Env. Science

### 4 Units

- Civics
- US History
- World Geography
- World History

### SOCIAL STUDIES



### 2 Units

- Civics
- US History

### 2 Units

- ½ Unit of Health
- 1 Unit of Physical Education
- ½ Unit from the following: PE I, PE II, or Marching Band

### HEALTH/ P.E.



### 2 Units

- ½ Unit of Health
- 1 Unit of Physical Education
- ½ Unit from the following: PE I, PE II, or Marching Band

### 2 Units- Foreign Language

- 2 units from the same foreign language (i.e. French I and II or Spanish I and II).



### 1 Unit- Arts

- 1 unit of Art, Fine Arts Survey, Beginner Band, Advanced Band, Flugs, or Percussion



### 3 Units- Electives

- Courses chosen in consultation with counselor.



### JUMP START Course Sequences and Credentials 9 Units



- Complete a regionally designed series of CTE JUMP START coursework & workplace-based learning experiences leading to a statewide or regional JUMP START credentials.
- JUMP START courses will be specific to pathway choice or universal JUMP START electives and must include 1 career ready course. See counselor for details.
- **REQUIRED CREDENTIALS- STUDENT MUST ATTAIN AN APPROVED STATEWIDE OR REGION CREDENTIAL IN ORDER TO GRADUATE.**

# TOTAL - 24 UNITS

Additional testing requirements must be fulfilled for graduation such as EOC/LEAP 2025.

### GRADUATION



# TOTAL - 23 UNITS

Additional testing requirements must be fulfilled for graduation such as EOC/LEAP 2025.

## 2018-2019 Elective Courses

Publications I—**11** (Prerequisite IBCA)

Publications II—**12**

Photography I – **10-12**

Media—**11-12**

Financial Math—**11-12**

Law Studies – **11-12**

Psychology-( ½ credit) **10-12** Together with Sociology

Sociology-( ½ credit) **10-12** Together with Psychology

Art I—**9-12**

Art II—**10-12**

Fine Arts Survey—**10-12**

Beginning Band I- **9**

Intermediate Band II-**10**

Advanced Band-**11**

Advanced Band 2<sup>nd</sup> Credit-**12**

Agriscience I----**9-12**

Agriscience II---**10-12**

NCCER Carpentry I-Prerequisite Agriscience I or Simultaneously-----**10-12**

NCCER Carpentry II-Prerequisite NCCER Carpentry I-----**10-12**

NCCER Electrical I-Prerequisite Agriscience I -----**10-12**

NCCER Electrical II-Prerequisite NCCER Electricity I-----**10-12**

NCCER Welding I-Prerequisite Agriscience I-----**10-12**

NCCER Welding II-Prerequisite NCCER Welding I-----**10-12**

IBCA—Introduction to Business Computer Applications---**9-12**

BCA----Business Computer Applications---**11-12**

ADVANCED CAREER READINESS—**11-12**—Only if you are in Jumpstart and have  
**not** taken Education for Careers or Journey to Careers.

FACS I—Family and Consumer Science **10-12**

FACS II—Family and Consumer Science **11-12**

Nutrition & Foods—(1/2 credit) **11-12**—Together with Adv. Nut. Foods —  
(1/2 Credit)

Pro Start I—**11** (Must be 16 and 2.0<sup>+</sup> GPA)

Pro Start II—**12** (Prerequisite Pro Start I)

**STAR I - 11**

Early Childhood Education I—**11**

Early Childhood Education II—**12**---(2 credits)

First Responder (½ credit)—**11-12**—Together with Medical Terminology

Medical Terminology (½ credit)—**11-12**—Together with First Responder

CNA-Certified Nursing Assistant---**11-12** (2 credits)

Sports Medicine I/II---**10-12**

Sports Medicine III---**11-12**

Web Design I---**11-12**---Prerequisite IBCA—Limited number in class

Basic Technical Drafting---**10-12**

**Tech Center Electives**

Computer Service Technology—**11-12**

Patient Care Technician/Phlebotomy/EKG—**12** (Prerequisite CNA)

Criminal Justice-**12**

Medical Assistant—**12**

Automotive Technology I & II--**11-12**

Engineering Technician (Drafting) -**12**

Process Technician-(Operator)- **11-12**

**\*must complete application for Tech Center Electives**

**AP Courses**

**See AP course list sheet**

**AP Calculus – Grade 12 – Ms. Cox – C 32 – Prerequisite Advanced Math**

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.

**AP Biology – Grades 10-12 – Ms. Messenger – C 11 – 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 – C 12 - 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 – Dr. Chakkath C 13 Enrolled in Chemistry or Previously enrolled in Chemistry**

Explore and investigate the interrelationships of the natural world, identify and 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 1 Grades 11-12 – Ms. Dalberg – C 12**

A full-year course that is the equivalent of a first semester introductory college course in algebra-based 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; electric charge and electric force; DC circuits; and mechanical waves and sound.

**AP Physics C Mechanics Grade 12 – Ms. Dalberg – C-12 (Offered as a 2<sup>nd</sup> Physics) Prerequisite – Physics and Calculus**

Equivalent to a one-semester, calculus based, college-level physics course, especially appropriate for students planning to specialize or major in physical science or engineering. The course explores topics such as kinematics; Newton's laws of motion; work, energy and power; systems of particles and linear momentum; circular motion and rotation; and oscillations and gravitation. Introductory differential and integral calculus is used throughout the course.

**AP Statistics Grades 11-12 – Ms. Cooper – C 34 – Prerequisite Algebra II**

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 – Ms. Aucoin – C 67**

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 – two projects during the course and one end-of-year exam: multiple choice.

**AP Computer Science A Grades 11-12 (Teacher approval for 10<sup>th</sup>) – Mr. Peterson – C 38**

The fundamentals of programming and problem solving using the JAVA language. Developing skills for future study or a career in computer science or other STEM fields. One end-of-year exam: multiple choice and free response. Math oriented – technical thought process.

**AP Spanish Language – A 3<sup>rd</sup> year course in Spanish – Prerequisite - Pre-AP Spanish II**

Build proficiency with authentic materials, including films, news broadcasts, newspaper or magazine articles, and contemporary literature; integrate the communicative competencies developed in previous courses to become a more effective communicator; learn to express thoughts in different ways and tailor arguments to various audiences; develop Spanish language proficiency and ability to understand the products, practices and perspectives of the cultures where Spanish is spoken; use authentic materials and sources in Spanish to demonstrate language proficiencies in multiple modes of communication,

**AP Capstone courses – Seminar and Research – Available only to students in schools that are participating in the AP Capstone program. Not for open enrollment – students recommended and selected for class.**

**AP Seminar Grades 10-11 – Ms. Flurry – Library**

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 – Library 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.

**AP Art History** - Substitute for Fine Arts Survey – Grades 10-12 – Ms. Sicono C 26

View significant works of art through readings, research, digital images, videos and museum visits; learn to evaluate a work of art through critical analysis instead of rushing to opinion or judgment; learn to critically analyze works of art within diverse historical and cultural contexts, considering issues such as politics, religion, patronage, gender, and ethnicity; explore major forms of artistic expression including architecture, sculpture, painting and other media from across a variety of cultures; learn about the purpose and function of art as you develop your ability to articulate visual and art historical concepts in verbal and written form.

**AP Music Theory** - Substitute for Fine Arts Survey – Grades 11-12 – Teacher approval required. Mr. Feigles – Band

Practice and develop musical skills that will help you build your understanding of music composition and music theory; develop music vocabulary through class discussion and written analysis of listening selections; learn to recognize, understand, and describe the basic materials and processes of music that are heard or presented in a score; develop aural, sight-singing, written, compositional, and analytical skills through a series of listening, performance, written, creative, and analytical exercises.

**AP Studio Art** – Drawing and 2-D Design – Grades 10-12 - Ms. Purvis C 30 – Teacher approval required

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 C 50 –

Strengthen the effectiveness of writing through close reading and frequent practice at applying rhetorical strategies, analyzing information from source texts, and writing arguments; become a critical reader of predominantly nonfiction works, including expository, argumentative, analytical, and personal texts from various authors and time periods; learn about the elements that define effective argument and composition through the critical analysis and interpretation of complex texts; understand the interactions among a writer's purpose, audience, subject, and genre and how each of these contributes to effective writing; enhance your own writing skills and understand better each stage of the writing process as you develop expository, analytical, and argumentative compositions

**AP English Literature** – Replaces English IV - Ms. Flurry Library

Learn about the elements that define effective argument and composition through the critical analysis and interpretation of complex texts; understand the interactions among a writer's purpose, audience, subject, and genre and how each of these contributes to effective writing; enhance writing skills and understand better each stage of the writing process as well as develop expository, analytical, and argumentative compositions; explore literary works from several different genres and periods; learn to read critically great literary works, interpret those texts, and evaluate their quality and artistic achievement.

**AP Human Geography** – Replaces World Geography-Grades 9-12 – Mr. Schexnayder C 52 – Session II and III

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 9<sup>th</sup> grade as an introductory AP course.

**AP Psychology** – Grades 10-12 – Ms. Morris C 39

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 contributions.

**AP US Government and Politics** – Replaces Civics in schedule- Grade 10 – Ms. Foil – C 72

Study how the conflicting interests and powers of the president and Congress help explain repeated struggles to adopt a national budget; evaluate the impact of the media on voter perceptions, campaign strategies, electoral outcomes and policy agenda development; study constitutional underpinnings, civil liberties and civil rights, political culture and socialization, citizen participation and influence, political institutions and policy making that are the foundation of modern U.S. government and politics; interpret classic and contemporary political writings and apply pertinent Supreme Court rulings to enduring social and political issues in this country.

**AP US History** – Grade 11 – Mr. Kirkindoll – C 36

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 through 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** – Grade 12 – Mr. Mitchell – C 71

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 8000 B.C.E. 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.



# Livingston Parish Public Schools Application for LPLTC

*Excellence in Education!*

13909 Florida Boulevard

P.O. Box 1130

Livingston, Louisiana 70754-1130

Phone: (225) 686-7044

Fax: (225) 686-3052

Website: [www.lpsb.org](http://www.lpsb.org)

Rick Wentzel  
Superintendent

Alan "Joe" Murphy  
Assistant Superintendent

Stephen Parrill  
Assistant Superintendent

Application Due to Home School Counselor:    /   /   

Applicant has an IEP. \*IEP meeting must be held with Director and/or LPLTC IEP Facilitator.

## STUDENT INFORMATION

First Name:	Middle Name:	Last Name:
Date of Birth:	Phone:	Phone:
Current Address:		
City:	State:	ZIP Code:
Student ID #:	Email:	
School:		
Current Grade Level:	Diploma Type:	
<input type="checkbox"/> 10 <input type="checkbox"/> 11	<input type="checkbox"/> TOPS/University <input type="checkbox"/> Jump Start	
Jumpstart Career Pathway in PowerSchool:		
ACT Score:	PLAN Score:	Pre-ACT Score:
Career Goal:		

## LPLTC PROGRAMS OFFERED

Place a number "1" next to the desired program. Place a number "2" next to an alternate course of interest.

Automotive Service Technician I (AST)	Automotive Service Technician II (AST) <b>AST I, ASE Light Maintenance and Repair certification, and Instructor Recommendation are pre-requisites</b>	
Computer Service Technician I (CST)	Computer Service Technician II (CST) <b>CST I, Comp TIA A+ Certification, and Instructor Recommendation are pre-requisites</b>	
Criminal Justice (CJ)	Engineering Technician (ET)	
Emergency Medical Technician (EMT)	Patient Care Technician (PCT)	
	Pre-Nursing II (PNII) <b>CNA is a pre-requisite</b>	

## SIGNATURES

\*\*\*Please note: After 10 days of school a student CANNOT drop any LPLTC course in which they are enrolled. \*\*\*  
\*\*\*Students MUST provide their own transportation. \*\*\*

Signature of applicant:	Date: <u>   /   /   </u>
Signature of parent or guardian:	Date: <u>   /   /   </u>
Signature of principal or counselor:	Date: <u>   /   /   </u>

- \* Completing an application does not guarantee acceptance to a course.
- \* If you currently have an Individualized Education Plan (IEP), an IEP must be held to reflect LPLTC attendance before the first day of school. The Director and/or the LPLTC IEP Facilitator must be in attendance. IEP teams should review information at *All Things Jump Start* when considering the appropriate pathway and career preparation experience for the individual student.
- \* Applications submitted will be reviewed by the home school counselor. Student requests are filled based on allotted seat counts per school. If requests exceed a school's allotted seats, a lottery to randomly select students will be used to fill available seats. Students not admitted due to a school exceeding their seat allotment will be placed on a waiting list. Students on the waiting list will be placed in any available seats after April 25, 2018 using a lottery to randomly select students. Priority seating will be given to students pursuing a Jump Start Career diploma. Students on the Wait List will be notified by the home school counselor after the 3<sup>rd</sup> week in May and beyond if they will be attending LPLTC.

**This application should be turned in to the home school counselor  
and kept on file at the home school. LPLTC does not need a copy.**

**LPLTC IS MEANT FOR GREATNESS!**