



LIVERPOOL

CENTRAL SCHOOL DISTRICT

Preparing our Students for Tomorrow...Today



High School Pathway Planning Guide



Our Mission

The Liverpool Central School District is committed to preparing our students for tomorrow... today. This commitment includes establishing and supporting opportunities for all students to become effective communicators, innovative thinkers, problem solvers, and life-long learners who contribute to a constantly evolving world. This approach is vital in today's fast-paced and competitive environment.

Liverpool Central School District recently developed several College and Career Pathways and Career and Technical Education Pathways. The development of these Pathways demonstrates the district's dedication

to offering diverse educational opportunities and is essential for catering to students' varied interests and abilities.

By emphasizing engagement, motivation, and teamwork in its educational approach, the Liverpool Central School District is aligning its efforts with the demands of the modern workforce. Encouraging students to work together, stay motivated, and remain engaged in their education helps them develop essential skills crucial to any career.

Our Plan

The Liverpool Central School District has established many authentic learning experiences to provide students with the skills and knowledge needed to graduate high school, to teach the students technical skills necessary to earn industry certifications, and to participate in Work-Based Learning opportunities in the Central New York community. In addition to our Career and Technical Education (CTE) offerings, the Liverpool Central School District has also developed a broad range of Pathways, including Civics, Fine Arts, Health Sciences, Honors, Humanities, Science, Technology, Engineering, and Mathematics (STEM), and World Languages, all structured to support and prepare students for a multitude of post-secondary opportunities, from two-year colleges to four-year universities, and the workforce.

- » **ACADEMICS:** The district emphasizes developing communication skills through various means and encourages the understanding and use of text for different purposes. This approach recognizes the importance of effective communication in today's diverse and interconnected world. Additionally, offering courses aligned with numerous career Pathways allows students to explore and prepare for various professional fields, which is crucial in helping them make informed decisions about their future.

- » **OPPORTUNITIES:** The district provides various opportunities beyond traditional classroom learning. Enrichment opportunities can enhance students' knowledge and skills in multiple areas of interest. Job shadowing, mentoring, and internships are particularly valuable as they allow students to gain real-world experience and insight into potential career paths. These experiences bridge the gap between education and the professional world.
- » **COLLEGE & CAREERS:** The district focuses on preparing students for college and career opportunities after high school. This can include immediate job prospects and college and technical education opportunities. The district offers a comprehensive range of coursework designed to ensure students are well-prepared for the challenges and expectations of higher education. This approach ensures students have a clear pathway to post-secondary education or direct entry into the workforce, depending on their aspirations and interests.



College and Career Planning Timeline

It's never too early to start focusing on your future and making plans for how you will accomplish your goals.

The information in this guide is for recommendation purposes only and will help bolster and support conversations with school counselors during the scheduling process.

Regardless of what Pathway you choose, these important steps will help you reach your desired destination.

7 Grade 7

- » **EXPLORE INTERESTS THROUGH ELECTIVES:** Take elective courses that interest you! Research different subjects, careers, or activities related to your interests.
- » **GET INVOLVED IN EXTRACURRICULAR ACTIVITIES:** Participating in extracurricular activities can provide valuable experiences and opportunities to help you develop new skills, make friends, and build a well-rounded personal and professional portfolio.

8 Grade 8

- » **EXPLORE INTERESTS THROUGH ELECTIVES:** Take elective courses that interest you! Research different subjects, careers, or activities related to your interests.
- » **INTRODUCE AND UNDERSTAND PATHWAYS:** Pathways in education refer to specialized tracks or programs that lead to specific careers or areas of study. It's important for students to explore the various Pathways available to help them align their academic and career goals.
- » **HIGH SCHOOL GRADUATION REQUIREMENTS:** Understanding the graduation requirements is crucial for academic success. This includes knowing the number of credits needed, the core courses required, and any specific criteria for graduation in your school or district.

9 Grade 9

- » **EXPLORE INTERESTS THROUGH ELECTIVES:** Take elective courses that interest you! Use the course catalog to explore courses related to your interests. Students should consider their passions and career aspirations when choosing electives for the 10th grade and beyond.
- » **INTRODUCE AND UNDERSTAND PATHWAYS:** Pathways in education refer to specialized tracks or programs that lead to specific careers or areas of study. It's important for students to explore the various Pathways available to help them align their academic and career goals.
- » **GET INVOLVED IN CLUBS:** Joining clubs and extracurricular activities is an excellent way for students to explore their interests and passions outside the classroom and provide opportunities for leadership, teamwork, and personal growth.

10 Grade 10

- » Continue to Explore Interests through Electives
- » **STAY INVOLVED IN EXTRACURRICULARS:** Maintaining involvement in extracurricular activities throughout high school is important for personal and academic development.
- » **CONFERENCE WITH YOUR SCHOOL COUNSELOR:** School counselors can provide valuable guidance and support for students following a particular academic or career Pathway.
- » **GAIN WORK AND/OR COMMUNITY SERVICE EXPERIENCE:** Gaining work experience and engaging in community service can have numerous benefits. Keep track of your experiences in a resume or log.

11 Grade 11

- » Continue to Explore Interests through Electives.
- » **STAY INVOLVED IN YOUR COMMUNITY:** Active community involvement not only benefits your local area but also helps you develop essential skills such as leadership, teamwork, and communication. Keep track of your experiences in a resume or log.
- » **IDENTIFY POTENTIAL REFERENCES/RECOMMENDERS:** Building positive relationships with teachers, mentors, employers, or community leaders can lead to strong letters of recommendation when you apply for college, jobs, or the military.
- » **CREATE A CALENDAR OF APPLICATION AND SCHOLARSHIP DEADLINES:** Staying organized with application and scholarship deadlines is crucial. Missing deadlines can impact your chances of being admitted to schools or receiving financial aid.
- » Attend Post-High School Planning Night and Financial Aid Night.

FOR HIGHER EDUCATION:

- » **Compile a List of Potential Schools:** Research and create a list of colleges or universities that align with your academic and career goals.
- » **Visit Potential Schools:** Campus visits can help you get a feel for the atmosphere and offerings of different institutions.
- » **Educate Yourself About ACT/SAT Exams:** Understand the standardized tests required for college admissions and prepare accordingly.

FOR EMPLOYMENT:

- » **Review Resume Templates:** Prepare a strong resume that highlights your skills, experiences, and achievements.
- » **Identify Potential Employers in Your Field:** Research companies or organizations that align with your career goals.
- » **Explore Job Shadowing Opportunities:** Shadowing professionals can provide insights into your chosen field.

FOR MILITARY:

- » **Explore Branches of the Military:** Learn about the different branches and their respective roles and requirements.
- » **Visit Recruiting Station:** Connect with a local recruiting station to get information about joining the military.
- » **Take ASVAB Exam:** The Armed Services Vocational Aptitude Battery (ASVAB) exam is required for military enlistment, so prepare and take it as needed.

12 Grade 12

- » **MAINTAIN YOUR GRADES AND EXTRACURRICULAR ACTIVITY INVOLVEMENT:** Senior year is an important part of your academic record. Continue to perform well in your courses and remain active in extracurricular activities. Keep track of your experiences in a resume or log.
- » **COMPLETE APPLICATIONS AND SUBMIT:** Ensure that you complete all the necessary college or job applications and submit them by the respective deadlines. This includes applications for colleges, universities, trade schools, or job opportunities.
- » **SEEK LETTERS OF RECOMMENDATION:** Reach out to teachers, mentors, employers, or community leaders who can write strong letters of recommendation for you. These letters can be significant factors in college admissions and job applications.
- » **TAKE ADVANTAGE OF SCHOLARSHIP OPPORTUNITIES:** Apply for scholarships to help finance your education. Fill out the Dollars for Scholars Application and visit the LHS Counseling Scholarship website. There are numerous scholarships available for students with diverse backgrounds, interests, and academic achievements.



The purpose of the document is to be a planning guide for students, parents, teachers, and counselors.

It is to be used for recommendation purposes only.

We hope this document supports conversations and plans with students, parents, teachers, and counselors as we set students up for a successful pathway through Liverpool High School.

Pathways to Graduation

Liverpool High School (LHS) offers multiple Pathways to graduation. Students can leave LHS with accreditation and endorsements from multiple Pathways. The Pathway options recognize students' interests in the Arts, Career and Technical Education (CTE), Civics, Humanities, Science, Technology, Engineering and Mathematics (STEM), and World Languages by allowing an approved Pathway to satisfy students' graduation requirements.

New York State uses a "4+1" Regents Pathway to graduation to earn a Regents Diploma. This means that students must take and pass one (1) Regents exam in each of the following content areas: English, math, science, and social studies, as well as one (1) additional Regents exam in math, science, or social studies. Many students will take and pass five Regents exams through a traditional course of study at Liverpool High School. However, under the "4+1" Pathway assessment option, students may take and pass four required

Regents exams and complete a comparably rigorous New York State Pathway to meet the fifth assessment requirement for graduation. Students could replace the fifth exam with a CTE Pathway, Fine Arts, Humanities, STEM, World Languages, or the Seal of Civic Readiness Pathway. These New York State Pathways are defined and explained on the next page.

NOTE: Adapted from New York State Education Department. (2023). Multiple Pathways. <https://www.nysed.gov/curriculum-instruction/multiple-Pathways>



NOTE: Please reference the Course Catalog QR code for all course offerings.



New York State Graduation Pathways



Pathway:

Pathway refers to a tailored course sequence that aligns with a specific area of interest or program of study. It is designed to provide students with a focused course progression that spans through their high school years, preparing them for further education or careers related to their chosen field. Whether a student is drawn to Career and Technical Education (CTE), Fine Arts, Health Sciences, Humanities, STEM, World Languages, Civics, or the Honors Pathway, each Pathway offers a structured plan of classes that builds expertise and knowledge in that particular area. The goal of Liverpool Central School District's High School Pathway Guide is to empower students to follow their interests with intention and support, guiding them toward their future goals.



Career and Technical Education (CTE) Pathway:

This New York State Pathway, Career and Technical Education (CTE) Pathway, is a high school Pathway designed to equip students with academic and practical skills tailored to specific careers. The Liverpool High School CTE Pathway encompasses six (6) New York State Approved programs:

- » Business Administration
- » Communication Arts
- » Drone Technology
- » Early Childhood Education
- » Hospitality, Restaurant Management, and Culinary Arts
- » Pre-Apprenticeship for the Trades

Upon successful completion of one of the CTE programs above and passing a three-part technical assessment, students are awarded a CTE endorsement, which can serve as a substitute for one Regents exam in the 4+1 graduation Pathway option, recognizing their preparedness for immediate entry into the workforce or further education in their chosen field.



Fine Arts Pathway:

The Fine Arts Pathway is a New York State Pathway currently under development. In the 2024-2025 school year, Liverpool High School will offer the first course in this Pathway: Music Production and Performance I. This course is the first of three courses to be offered, and each subsequent year, a new course will be added.



Humanities Pathway:

The NYS Humanities Pathway can serve as the "+1" option in the NYS "4+1" Pathway to Graduation. Students interested in graduating through the Humanities Pathway must successfully complete all traditional graduation requirements, as well as successfully complete an additional social studies or English language arts course culminating in a Regents exam or NYSED-Approved Regents Examination Alternative (listed on the Humanities Pathway chart) and the culminating Regents exam or NYSED-Approved Regents Examination Alternative (listed on the Humanities Pathway chart).



Seal of Civic Readiness Pathway:

The Seal of Civic Readiness is a formal recognition that a student has attained a high level of proficiency in terms of civic knowledge, civic skills, civic mindset, and civic experiences. Students need to earn a total of six points, with at least two points earned in Civic Knowledge and two points earned in Civic Participation. Successful completion of the Seal of Civic Readiness Pathway can serve as a substitute for one Regents exam in the 4+1 graduation Pathway option, recognizing student civic readiness and preparedness for immediate entry into the workforce or further education.



Science, Technology, Engineering, and Mathematics (STEM) Pathway:

The NYS STEM Pathway can serve as the “+1” option in the NYS “4+1” Pathway to Graduation. Students interested in graduating through the STEM Pathway must successfully complete all traditional graduation requirements, as well as successfully complete an additional science or mathematics course culminating in a Regents or NYSED-Approved Regents Examination Alternative (listed on the STEM Pathway chart) and the culminating Regents exam or NYSED-Approved Regents Examination Alternative (listed on the STEM Pathway chart).



Traditional Pathway:

The Traditional Pathway refers to the traditional sequence of courses within the “4+1” Pathway students take throughout their four years at Liverpool High School. It is designed to provide students with all required courses and Regents exams needed to graduate high school.



World Languages Pathway:

The NYS World Languages Pathway can serve as the “+1” option in the NYS “4+1” Pathway to Graduation. Students interested in graduating through the World Languages Pathway must successfully complete all traditional graduation requirements, as well as successfully complete adequate World Languages coursework (based on student proficiency) and the culminating Department-Approved Pathway Assessment in World Languages (listed on the World Languages Pathway chart).

The following Pathways have been designed at Liverpool High School and do not replace a Regents exam:



Health Sciences Pathway:

This Pathway is designed for students interested in medical or health-related fields. This Pathway ensures students who may want to go into a medical or health-related field have all the necessary high school courses.



Honors and/or College Course Pathway:

This Pathway is designed for students interested in pursuing upper-level courses. This Pathway ensures that college-bound students have all the necessary high school courses needed for enrollment in a 2- or 4-year college. Additionally, this Pathway provides students with honors courses and courses that may earn students college credit.

Traditional Graduation Pathway

The Traditional Pathway refers to the traditional sequence of courses students typically take throughout their four years at Liverpool High School. It is designed to provide students with all required courses and Regents exams needed to graduate high school.

AREA OF STUDY		9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
ENGLISH 4 credits 1 Regents		English 9*	English 10*	English 11*	English 12*
MATH 3 credits 1 Regents Exam		Algebra I*	Geometry*	Algebra II* College Prep Algebra Pre-Calculus* OCC Exploring Statistics	College Prep Algebra Math 12 Pre-Calculus* OCC Exploring Statistics OCC Calculus
SCIENCE 3 credits 1 Regents Exam	8th Grade Traditional Path Life Science: Biology	Earth and Space Sciences*	Life Science: Biology*	Chemistry* Physical Science	Physics SUPA Chemistry
	8th Grade Accelerated Path Life Science: Biology	Earth and Space Sciences*	Chemistry* Physics	Chemistry* Physics SUPA Chemistry AP Biology AP Physics	SUPA Chemistry AP Biology AP Physics
SOCIAL STUDIES 4 credits 2 Regents Exams		Global I*	Global II*	US History*	Economics/ Government*
ELECTIVES 3.5 credits			Elective courses	Elective courses	Elective courses
OTHER REQUIREMENTS 1 Art/Music Tech credit 1 Health Credit		Art/Music/ Tech course	Art/Music/ Tech course	Health	
PHYSICAL EDUCATION 2 credits		PE	PE	PE	PE
WORLD LANGUAGE 1 credit		World Language*			

KEY: * Honors and/or college courses available.

Red = Approved Regents Exams for Graduation

Teal = College credit available

NYS Humanities Pathway

The NYS Humanities Pathway can serve as the “+1” option in the NYS “4+1” Pathway to Graduation. Students interested in graduating through the Humanities Pathway must successfully complete all traditional graduation requirements, as well as successfully complete the courses and exams outlined below.

AREA OF STUDY	9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
ENGLISH 4 credits 1 Regents Exam 1 AP exam* <i>* Only 1 additional exam – ELA or Social Studies – needed; minimum score: 3</i>	English 9*	English 10*	English 11*	English 12*
			ELA Regents	
			AP Language & Composition	AP Literature & Composition
SOCIAL STUDIES 4 credits 2 Regents Exams 1 AP exam* <i>* Only 1 additional exam – ELA or Social Studies – needed; minimum score: 3</i>	Global I*	Global II*	US History*	Economics/ Government* AP Macroeconomics AP US Government & Politics
			Global Regents	
		AP World History	AP US History	

KEY: * Honors and/or college courses available.
Teal = College credit available

Red = Approved Regents Exams for Graduation
Green = Approved AP Exams for Graduation



NYS STEM Pathway

The NYS Science Technology Engineering and Mathematics (STEM) Pathway can serve as the "+1" option in the NYS "4+1" Pathway to Graduation. Students interested in graduating through the STEM Pathway must successfully complete all traditional graduation requirements, as well as successfully complete the courses and exams outlined below.

Middle school electives leading to this path: STEAM Team

AREA OF STUDY		9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
MATH 3 credits 2 Regents Exams 1 AP exam*		Algebra I*	Geometry*	Algebra II* College Prep Algebra Pre-Calculus* OCC Exploring Statistics	College Prep Algebra Math 12 Pre-Calculus* OCC Exploring Statistics OCC Calculus AP Statistics
		Algebra Regents	Geometry Regents	Algebra II Regents	AP Calculus
SCIENCE 3 credits 2 Regents Exams 1 AP exam*	8th Grade Traditional Path Life Science: Biology	Earth and Space Sciences*	Life Science: Biology*	Physics or Chemistry*	Physics or Chemistry* SUPA Chemistry AP Physics
		Earth Science Regents	Living Environment Regents	Physics Regents or Chemistry Regents	Physics Regents or Chemistry Regents AP Biology
	8th Grade Accelerated Path Life Science: Biology	Earth and Space Sciences*	Physics or Chemistry*	Physics or Chemistry*	SUPA Chemistry AP Physics
		Earth Science Regents	Physics Regents or Chemistry Regents	Physics Regents or Chemistry Regents	AP Biology
<i>* Only 1 additional exam - Math or Science - needed; minimum score: 3</i>					

KEY: * Honors and/or college courses available.
Teal = College credit available

Red = Approved Regents Exams for Graduation
Green = Approved AP Exams for Graduation

NYS World Languages Pathway

The NYS World Languages Pathway can serve as the “+1” option in the NYS “4+1” Pathway to Graduation. Students interested in graduating through the World Languages Pathway must successfully complete all traditional graduation requirements, as well as successfully complete the courses and exams outlined below.

AREA OF STUDY	9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
WORLD LANGUAGES 1 credit 1 Checkpoint B Exam (French or Spanish) or 1 AAPPL Exam (Arabic, Chinese, Japanese, Korean, or Russian)	Level II*	Level III*	Level IV SUNY 4	Level V SUNY 5
		Checkpoint B Exam		AAPPL Exam + Seal of Biliteracy

KEY: * Honors and/or college courses available.
 Teal = College credit available

Red = Approved Regents Exams for Graduation
 Green = Approved AP Exams for Graduation



Business Administration CTE Pathway

This Pathway enables students to explore different areas of the business world and tailor courses to their area of interest. This Pathway helps students develop a knowledge base in many business topics, preparing a path into a career or pursuing a college degree. Successful completion of this program and the culminating 3-part technical assessment can serve as a "+1" NYS graduation requirement and a diploma seal recognizing the CTE Endorsement. See pages 22-23 for Potential Career Areas.

AREA OF STUDY		9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
BUSINESS ADMINISTRATION PROGRAM		Required Courses: Financial Planning Principles of Marketing Business Administration Capstone		Additional Courses (2.5 Credits Required): Sports and Entertainment Management Business 101 Entrepreneurship Business Law College and Computer Applications OCC Accounting	
ENGLISH		English 9*	English 10* Public Speaking	English 11* Public Speaking	English 12* OCC English
MATH		Algebra I*	Geometry*	Algebra II* College Prep Algebra Pre-Calculus* OCC Exploring Statistics	College Prep Algebra Math 12 Pre-Calculus* OCC Exploring Statistics OCC Calculus AP Calculus AP Statistics
SCIENCE	8th Grade Traditional Path Life Science: Biology	Earth and Space Sciences*	Life Science: Biology*	Chemistry* Physical Science	Physics SUPA Chemistry AP Biology AP Physics
	8th Grade Accelerated Path Life Science: Biology	Earth and Space Sciences*	Chemistry* Physics	Chemistry* Physics	SUPA Chemistry AP Biology AP Physics
SOCIAL STUDIES		Global I*	Global II*	US History AP US History SUNY American History	Economics/ Government AP Macroeconomics AP US Government & Politics
PE/HEALTH		PE	PE	PE Health	PE
WORLD LANGUAGES		Level II*	Level III*	Level IV	Level V
ART/MUSIC ELECTIVES		Studio in Art	Band	Chorus	
ADDITIONAL CTE OR ELECTIVE COURSES		DDP Independent Living Current World Issues	Sociology Psychology Civil and Criminal Law	Non-Regents Science Electives Astronomy Environmental Studies	Human Anatomy Meteorology Physical Science Zoology

KEY: * Honors and/or college courses available.

Teal = College credit available

Communication Arts CTE Pathway

This Pathway is designed for students interested in media studies as consumers, critics, and creators. In this Pathway, students will learn the academic and technical skills required by a wide array of jobs in the field of media and communications. Successful completion of this program and the culminating 3-part technical assessment can serve as a "+1" NYS graduation requirement and a diploma seal recognizing the CTE Endorsement. See pages 22-23 for Potential Career Areas.

Middle school electives leading to this path: Media Arts: Audio/Visual Media

AREA OF STUDY		9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
CTE PROGRAM			Cinema & Screen Studies	Intro to Journalism & Mass Communications	Communication Arts & OCC English (Capstone)
ENGLISH		English 9*	English 10*	English 11*	
MATH		Algebra I*	Geometry*	Algebra II* College Prep Algebra Pre-Calculus* OCC Exploring Statistics	College Prep Algebra Math 12 Pre-Calculus* OCC Exploring Statistics OCC Calculus AP Calculus AP Statistics
SCIENCE	8th Grade Traditional Path Life Science: Biology	Earth and Space Sciences*	Life Science: Biology*	Chemistry* Physics	Chemistry* Physics SUPA Chemistry AP Biology AP Physics
	8th Grade Accelerated Path Life Science: Biology	Earth and Space Sciences*	Chemistry* Physics	Chemistry* Physics	SUPA Chemistry AP Biology AP Physics
SOCIAL STUDIES		Global I*	Global II*	US History AP US History SUNY American History	Economics/ Government AP Macroeconomics AP US Government & Politics
PE/HEALTH		PE	PE	PE Health	PE
WORLD LANGUAGES		Level II*	Level III*	Level IV	Level V
ART/MUSIC ELECTIVES		Studio in Art Digital Art and Design		Photography and Digital Imaging Music Production and Performance I	
ADDITIONAL CTE OR ELECTIVE COURSES		Graphic Communications Broadcast Communications	Public Speaking Film Studies Theatre Studies Independent Living Current World Issues	Sociology Psychology Civil and Criminal Law	Non-Regents Science Electives: Astronomy Environmental Studies Human Anatomy Meteorology Zoology

KEY: * Honors and/or college courses available.

Teal = College credit available

Drone Tech CTE Pathway

Students in this Pathway will get hands-on experience as they explore the many existing and new applications of drone technology. This program is an innovative, hands-on problem-solving program that explores a variety of topics, including but not limited to photography & videography, engineering, robotics, underwater drones, agriculture, and emergency services. Successful completion of this program and the culminating 3-part technical assessment can serve as a "+1" NYS graduation requirement and a diploma seal recognizing the CTE Endorsement. See pages 22-23 for Potential Career Areas.

Middle school electives leading to this path: Introduction to Robotics, Coding with Robots, STEAM Team, Transportation Systems

AREA OF STUDY		9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
CTE PROGRAM			Remotely Piloted Aircraft Systems I (Drone Tech I)	Remotely Piloted Aircraft Systems II (Drone Tech II)	Remotely Piloted Aircraft Systems Capstone (Drone Tech Capstone)
ENGLISH		English 9*	English 10*	English 11*	Writing Workshop: Professional Writing/ English 12: Literature OCC English
MATH		Algebra I*	Geometry*	Algebra II* College Prep Algebra Pre-Calculus* OCC Exploring Statistics	College Prep Algebra Math 12 Pre-Calculus* OCC Exploring Statistics OCC Calculus AP Calculus AP Statistics
SCIENCE	8th Grade Traditional Path Life Science: Biology	Earth and Space Sciences*	Life Science: Biology*	Physics	Chemistry*
	8th Grade Accelerated Path Life Science: Biology	Earth and Space Sciences*	Physics Chemistry*	Physics Chemistry*	AP Physics
SOCIAL STUDIES		Global I*	Global II*	US History SUNY American History SUPA Sociology	Economics/ Government SUPA Psychology AP Macroeconomics AP US Government & Politics
PE/HEALTH		PE	PE	PE Health	PE
WORLD LANGUAGES		Level II*	Level III*	Level IV	Level V
ART/MUSIC ELECTIVES		Studio In Art	Band	Chorus	Photography
ADDITIONAL CTE OR ELECTIVE COURSES		DDP PLTW Introduction to Engineering Design PLTW Principles of Engineering	PLTW Computer Integrated Manufacturing PLTW Cybersecurity Manufacturing Public Speaking Independent Living	Current World Issues Sociology Psychology Civil and Criminal Law	Non-Regents Science Electives: Astronomy Environmental Studies Meteorology Physical Science Zoology

KEY: * Honors and/or college courses available.

Teal = College credit available

Early Childhood Education CTE Pathway

This Pathway supports students interested in working with young children during their most critical time of development. Students can receive the knowledge and skills that are necessary for them to begin pursuing a job related to working with young children, whether in a family daycare, daycare setting, or preschool. They will have the opportunity to gain hours and fulfill other requirements towards becoming a LEAD teacher in New York State. Successful completion of this program and the culminating 3-part technical assessment can serve as a “+1” NYS graduation requirement and a diploma seal recognizing the CTE Endorsement. See pages 22-23 for Potential Career Areas.

Middle school electives leading to this path: Future Educators

AREA OF STUDY		9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
CTE PROGRAM			Child Development I	Child Development II	Early Childhood Education & Child Psychology (Capstone)
ENGLISH		English 9* Theatre Studies	English 10*	English 11*	English 12* OCC English
			Mythology Gender Studies	Creative Writing Public Speaking	
MATH		Algebra I*	Geometry*	Algebra II* College Prep Algebra Pre-Calculus* OCC Exploring Statistics	College Prep Algebra Math 12 Pre-Calculus* OCC Exploring Statistics OCC Calculus
SCIENCE	8th Grade Traditional Path Life Science: Biology	Earth and Space Sciences*	Life Science: Biology*	Chemistry* Human Anatomy Physical Science	Physics Human Anatomy
	8th Grade Accelerated Path Life Science: Biology	Earth and Space Sciences*	Chemistry* Physics Human Anatomy	Chemistry* Physics Human Anatomy	SUPA Chemistry Human Anatomy
SOCIAL STUDIES		Global I*	Global II* Psychology	US History* Sociology SUNY American History	Economics/ Government*
PE/HEALTH		PE	PE	PE Health	PE
WORLD LANGUAGES		Level II*	Level III*	Level IV	Level V
ART/MUSIC ELECTIVES		Studio in Art Band Art Chorus	Art of Craft Band	Chorus	
ADDITIONAL CTE OR ELECTIVE COURSES			Lifetime Nutrition and Wellness	OCC Personal Safety SUPA Psychology SUPA Sociology SUPA English AP English AP Macroeconomics AP US History AP Government & Politics	AP Biology AP Physics Independent Living Current World Issues Sociology Psychology Civil and Criminal Law
				Non-Regents Science Electives:* Astronomy Environmental Studies Meteorology	Physical Science Zoology * Accelerated students can begin these in 10th-grade

KEY: * Honors and/or college courses available.
Teal = College credit available

Fine Arts Individual Arts Assessment Pathway

As of this printing in Winter 2024, this NYS Fine Arts Pathway is in progress. Additional courses in the Music Production Pathway will be developed over the next two years. See pages 22-23 for Potential Career Areas.

Middle school electives leading to this Pathway: Band, Chorus, Orchestra, Music Production, Studio Art, Theatre Workshop, Media Arts: Audio/Visual Media

AREA OF STUDY		9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
MUSIC PRODUCTION PATHWAY		Music Production & Performance I			
ENGLISH		English 9*	English 10*	English 11*	English 12* OCC English SUPA English
				Theater Studies	
MATH		Algebra I*	Geometry*	Algebra 2* College Prep Algebra Pre-Calculus* OCC Exploring Statistics	College Prep Algebra Math 12 Pre-Calculus* OCC Exploring Statistics OCC Calculus AP Calculus AP Statistics
SCIENCE	8th Grade Traditional Path Life Science: Biology	Earth and Space Sciences*	Life Science: Biology*	Chemistry* Physics	Chemistry* Physics SUPA Chemistry AP Biology AP Physics
	8th Grade Accelerated Path Life Science: Biology	Earth and Space Sciences*	Chemistry* Physics	Chemistry* Physics	SUPA Chemistry AP Biology AP Physics
SOCIAL STUDIES		Global I*	Global II*	US History AP US History SUNY American History	Economics/ Government AP Macroeconomics AP US Government & Politics
PE/HEALTH		PE	PE	PE Health	PE
WORLD LANGUAGES		Level II*	Level III*	Level IV	Level V
ART/MUSIC ELECTIVES		Band Chorus Studio in Art		Digital Art and Design Photography and Digital Imaging Music Production and Performance I	
ADDITIONAL CTE OR ELECTIVE COURSES		Graphic Communications Broadcast Communications Public Speaking Film Studies Independent Living Current World Issues Sociology Psychology		Non-Regents Science Electives: Astronomy Environmental Studies Human Anatomy Meteorology Zoology	

KEY: * Honors and/or college courses available.

Teal = College credit available

Health Sciences Pathway (non-CTE)

This Pathway is designed for students who are interested in medical or health-related fields. This is not a CTE program but is a Pathway to ensure students who may want to go into a medical or health-related field have all of the necessary high school courses. Most of these students are college-bound.

Most post-secondary medical programs require physics at the college level; students should take Regents-level physics, and it is recommended they pass with mastery. *See pages 22-23 for Potential Career Areas.*

Middle school electives leading to this Pathway: Introduction to Public Health

AREA OF STUDY		9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
ENGLISH		English 9*	English 10*	English 11* AP Language & Composition	AP Literature & Composition OCC English SUPA English
MATH		Algebra I* Geometry*	Geometry* Algebra II*	Algebra II* Pre-Calculus* OCC Pre-Calculus	College Prep Algebra Pre-Calculus* OCC Pre-Calculus OCC Calculus AP Calculus AP Statistics OCC Exploring Statistics
SCIENCE	8th Grade Traditional Path Life Science: Biology	Earth and Space Sciences*	Life Science: Biology*	Chemistry* Physics Human Anatomy Zoology	Chemistry* Physics Human Anatomy Zoology AP Biology SUPA Chemistry AP Physics
	8th Grade Accelerated Path Life Science: Biology	Earth and Space Sciences*	Physics Chemistry*	Physics Chemistry* AP Physics SUPA Chemistry AP Biology	AP Physics SUPA Chemistry AP Biology
SOCIAL STUDIES		Global I*	Global II*	US History* SUNY American History SUPA Psychology	Economics/Government* SUPA Sociology AP Macroeconomics AP US Government & Politics
PE/HEALTH ELECTIVES		PE	PE Lifetime Nutrition and Wellness	PE Health	PE OCC Personal Safety Human Relationships and Sexuality
WORLD LANGUAGES		Level II*	Level III*	Level IV	Level V
ART/MUSIC ELECTIVES		Studio in Art	Chorus	Band	
ADDITIONAL CTE OR ELECTIVE COURSES		DDP	Current World Issues	SUPA Psychology	SUPA Sociology

KEY: * Honors and/or college courses available.

Teal = College credit available

Honors and/or College Course Options (non-CTE)

This Pathway is designed for students who are interested in pursuing upper-level courses. This is not a CTE program but a Pathway to ensure college-bound students have all of the necessary high school courses. Most of these students are college-bound.

AREA OF STUDY		9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
ENGLISH		English 9*	English 10*	English 11* AP Language & Composition	OCC English AP Literature & Composition SUPA English
MATH		Algebra I* Geometry*	Geometry* Algebra II*	Algebra II* Pre-Calculus* OCC Pre-Calculus OCC Exploring Statistics	Pre-Calculus OCC Pre-Calculus OCC Exploring Statistics OCC Calculus AP Calculus AP Statistics
SCIENCE	8th Grade Traditional Path Life Science: Biology	Earth and Space Sciences*	Life Science: Biology*	Physics Chemistry*	Physics Chemistry* AP Physics SUPA Chemistry AP Biology
	8th Grade Accelerated Path Life Science: Biology	Earth and Space Sciences*	Physics Chemistry*	Physics Chemistry* AP Physics SUPA Chemistry AP Biology	AP Physics SUPA Chemistry AP Biology
SOCIAL STUDIES		Global I*	Global II* AP World History	SUPA Psychology AP US History SUNY American History	SUPA Sociology AP Macroeconomics AP US Government & Politics
PE/HEALTH		PE	PE	PE Health	PE
WORLD LANGUAGES		Level II*	Level III*	SUNY 4	SUNY 5 + Seal of Bilingualism
ART/MUSIC ELECTIVES		Studio in Art Chorus Band			
ADDITIONAL CTE OR ELECTIVE COURSES		PLTW IED Independent Living Current World Issues		Non-Regents Science Electives: Astronomy Environmental Studies Human Anatomy Meteorology Zoology	

KEY: * Honors and/or college courses available.

Teal = College credit available

Hospitality, Restaurant Management, and Culinary Arts CTE Pathway

This Pathway will provide an in-depth overview of the Hospitality, Restaurant Management, and Culinary Arts Industry. Students will learn basic and advanced culinary skills and demonstrate learned techniques in weekly culinary labs. In addition, students will examine different career pathways within the hospitality, food service, and tourism industries. Successful completion of this program and the culminating 3-part technical assessment can serve as a “+1” NYS graduation requirement and a diploma seal recognizing the CTE Endorsement. See pages 22-23 for Potential Career Areas.

Middle school electives leading to this path: Food Tech, Design in Everyday Life

AREA OF STUDY		9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
CTE PROGRAM			Culinary Arts I & II	International Foods & Hospitality	Hospitality, Restaurant Management & Culinary Arts (Capstone)
ENGLISH		English 9*	English 10*	English 11* Public Speaking	Writing Workshop Professional Writing/ English 12 OCC English
MATH		Algebra I*	Geometry*	Algebra II* College Prep Algebra Pre-Calculus* OCC Exploring Statistics	College Prep Algebra Math 12 Pre-Calculus* OCC Exploring Statistics OCC Calculus AP Calculus AP Statistics
SCIENCE	8th Grade Traditional Path Life Science: Biology	Earth and Space Sciences*	Life Science: Biology*	Chemistry* Physical Science	Physics SUPA Chemistry AP Biology AP Physics
	8th Grade Accelerated Path Life Science: Biology	Earth and Space Sciences*	Chemistry* Physics	Chemistry* Physics	SUPA Chemistry AP Biology AP Physics
SOCIAL STUDIES		Global I*	Global II*	US History AP US History SUNY American History	Economics/ Government AP Macroeconomics AP US Government & Politics
PE/HEALTH		PE	PE	PE Health	PE
WORLD LANGUAGES		Level II*	Level III*	Level IV	Level V
ART/MUSIC ELECTIVES		Studio in Art	Band	Chorus	
ADDITIONAL CTE OR ELECTIVE COURSES			Sociology Psychology OCC Personal Safety Business 101 Financial Planning Entrepreneurship Principles of Marketing Independent Living	Current World Issues Sociology Psychology Non-Regents Science Electives: Environmental Studies Meteorology Zoology	

KEY: * Honors and/or college courses available.
Teal = College credit available

Pre-Apprenticeship for the Trades CTE Pathway

The Pre-Apprenticeship program is an opportunity for students to explore their interest and aptitude in a variety of trades, including construction, manufacturing, automotive technician, maintenance, welding, and other fields. Successful completion of this program and the culminating 3-part technical assessment can serve as a "+1" NYS graduation requirement and a diploma seal recognizing the CTE Endorsement. See pages 22-23 for Potential Career Areas.

Middle school electives leading to this path: Transportation Systems, STEAM Team

AREA OF STUDY		9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
CTE PROGRAM			Pre-Apprenticeship for the Trades I Pre-Apprenticeship for the Trades II		
ENGLISH		English 9*	English 10*	English 11*	Writing Workshop: Professional Writing/ English 12: Literature OCC English
MATH		Algebra I*	Geometry*	Algebra II* College Prep Algebra	College Prep Algebra Math 12 Pre-Calculus* OCC Pre-Calculus OCC Calculus OCC Exploring Statistics
SCIENCE	8th Grade Traditional Path Life Science: Biology	Earth and Space Sciences*	Life Science: Biology*	Chemistry* Physical Science	Physics Environmental Studies Meteorology
	8th Grade Accelerated Path Life Science: Biology	Earth and Space Sciences*	Chemistry* Physics	Chemistry* Physics Environmental Studies Meteorology	AP Physics SUPA Chemistry* Environmental Studies Meteorology
SOCIAL STUDIES		Global I*	Global II*	US History AP US History SUNY American History	Economics/ Government AP Macroeconomics AP US Government & Politics
PE/HEALTH		PE	PE	PE Health	PE
WORLD LANGUAGES		Level II*	Level III*	Level IV	Level V
ART/MUSIC ELECTIVES		Studio In Art	Band	Chorus	
ADDITIONAL CTE OR ELECTIVE COURSES		DDP Manufacturing Electrical Systems & Robotics CAD Business 101 Sociology Psychology		Civil and Criminal Law Entrepreneurship Marketing Public Speaking Independent Living Current World Issues	

KEY: * Honors and/or college courses available.

[Teal](#) = College credit available

Seal of Civic Readiness Pathway

The Seal of Civic Readiness is a formal recognition that a student has attained a high level of proficiency in terms of civic knowledge, civic skills, civic mindset, and civic experiences. Students need to earn a total of six points, with at least two points earned in Civic Knowledge and two points earned in Civic Participation. Successful completion of this Pathway can serve as a “+1” NYS graduation requirement and a diploma seal recognizing the Seal of Civic Readiness Endorsement.

AREA OF STUDY		9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
ENGLISH		English 9*	English 10*	English 11*	English 12* OCC English SUPA English
				Gender Studies	Public Speaking
MATH		Algebra I* Geometry*	Geometry* Algebra 2*	Algebra II* Pre-Calculus* OCC Pre-Calculus OCC Exploring Statistics	Pre-Calculus OCC Pre-Calculus OCC Exploring Statistics OCC Calculus AP Calculus AP Statistics
SCIENCE	8th Grade Traditional Path Life Science: Biology	Earth and Space Sciences*	Life Science: Biology*	Chemistry* Physical Science	Physics SUPA Chemistry AP Biology AP Physics
	8th Grade Accelerated Path Life Science: Biology	Earth and Space Sciences*	Chemistry* Physics	Chemistry* Physics	SUPA Chemistry AP Biology AP Physics
SOCIAL STUDIES		Global I*	Global II* Current World Issues**	US History Civil and Criminal Law** AP US History SUNY American History	Economics/ Government AP Macroeconomics AP US Government & Politics
PE/HEALTH		PE	PE	PE Health	PE
WORLD LANGUAGES		Level II*	Level III*	Level IV	Level V
ART/MUSIC ELECTIVES		Studio In Art	Band	Chorus	
ADDITIONAL CTE OR ELECTIVE COURSES		DDP PLTW IED Current World Issues Sociology Psychology Civil and Criminal Law		Non-Regents Science Electives Astronomy Environmental Studies Human Anatomy Meteorology Zoology	

KEY: * Honors and/or college courses available.

**Earns Additional .5 Civic Participation Credit

College credit available

Meaningful Partnerships and Relationships

Liverpool High School's emphasis on building meaningful partnerships and relationships with Central New York businesses is a strategic and valuable approach to enhancing the educational experience for its students. This strategy offers several benefits:

- » **Real-World Learning:** Collaborating with local businesses and organizations allows students to engage in real-world, hands-on learning experiences.
- » **Career Exploration:** These partnerships provide students with opportunities to explore different career paths. Shadowing, volunteering, and interning with local businesses allow students to gain insights into various industries and professions, helping them make more informed decisions about their future careers.
- » **Skill Development:** Working alongside professionals in real-world settings helps students develop practical skills for success in their chosen fields. This practical knowledge can be invaluable in their post-secondary education and future careers.
- » **Networking:** Building relationships with local businesses and professionals exposes students to valuable networking opportunities. These connections can lead to mentorship, guidance, and even potential employment opportunities in the future.

Potential Career Areas

Business Administration CTE Pathway

Opportunities Immediately from High School:

- » Entrepreneur/Business Owner
- » Sales Associate
- » Retail Positions
- » Bank Teller
- » Insurance Clerk
- » Bookkeepers

With College Degree:

- » Financial Analyst
- » Financial Planner
- » Accountant
- » Certified Public Accountant
- » Auditor
- » Marketing Manager
- » Financial Manager

- » Human Resource Manager
- » Social Media Manager
- » Loan Officer
- » Market Research Analyst
- » Entrepreneur/Business Owner

Communication Arts CTE Pathway

- » Potential Career Areas
- » Journalist
- » Reporter
- » Publicist

- » Producer
- » Director
- » Video Editor
- » Cinematographer
- » Camera Operator

- » Audio Engineer
- » Marketing Coordinator
- » Social Media Manager
- » Project Manager
- » Entrepreneur/Business Owner

Drone Tech CTE Pathway

- » Drone Pilot/Operator
- » Drone Developer
- » Mechanical Engineer
- » Electrical Engineer
- » Software Engineer
- » Mechanical Technician
- » Electrical Technician
- » Video Editor
- » Photographer
- » Cinematographer
- » Camera Operator

- » Audio Engineer
- » Marketing Coordinator
- » Social Media Manager
- » Project Manager
- » Social Media Manager
- » Digital Marketing Specialist
- » Inspector (roof, insurance, cell tower)
- » Drone Attorney
- » Graphic Designer
- » Mobile App Developer
- » Warehouse Inventory

- » Digital Forensics Investigator
- » Owner
- » Real Estate Agent
- » Surveying & Mapping
- » Drone Repair
- » Geologist
- » Law Enforcement
- » Lifeguard & Marine Safety
- » Fire & First Responders
- » Search & Rescue
- » Entrepreneur/Business

Early Childhood Education CTE Pathway

Opportunities Immediately from High School:

- » Daycare Assistant
- » Daycare Provider
- » Preschool Assistant Teacher
- » Teacher's Aide
- » Teaching Assistant
- » Nanny
- » Recreational Assistant
- » Entrepreneur/Business Owner

With College Degree:

- » Preschool Teacher
- » Early Childhood Educator
- » Elementary School Teacher
- » Special Education Teacher
- » Guidance Counselor
- » Speech-Language Pathologist
- » Psychologist
- » Social Worker
- » Parent Educator
- » Child Development Specialist
- » Child Life Specialist
- » Occupational Therapist Assistant
- » Occupational Therapist
- » Entrepreneur/Business Owner

Fine Arts Individual Arts Assessment Pathway

- » Recording Artist
- » Musician
- » Producer

- » Director
- » Audio Engineer
- » Marketing Coordinator

- » Project Manager
- » Entrepreneur/Business Owner

Health Sciences Pathway (non-CTE)

- » Entrepreneur/Business Owner
- » RN
- » NP
- » Physician
- » Nutritionist
- » Registered Dietitian
- » Personal Training
- » PE teacher
- » Coaching
- » Public/Community Health
- » EMT
- » Health Administration

- » Recreation Program Manager
- » Prevention specialist in a school district
- » District Health Education Coordinator
- » Public Health Education
- » Occupational Therapy
- » Physical Therapy
- » Healthcare Administrator
- » Paramedic
- » ER Professionals
- » Fire Dept/Military and Police
- » Counselor
- » Social Workers

- » Psychologists
- » Psychiatrists
- » Registered Nutritionist
- » Oncology
- » Cardiology
- » Endocrinology
- » Epidemiology
- » OB/GYN
- » Elementary Health Specialist
- » High School/Middle School Health Educator
- » Physician's Assistant
- » Various Mental Health Professionals

Hospitality, Restaurant Management, and Culinary Arts CTE Pathway

Front Of The House (FOH):

- » Front Desk
- » Server
- » Housekeeping
- » Host
- » Concierge
- » Event Planner
- » Flight Attendants
- » Travel Agent
- » Tour Guides

Back Of The House (BOH):

- » Human Resources
- » Accounting
- » Executive Offices
- » Kitchen
- » Maintenance
- » Management
- » Baker/Pastry Chef
- » Banquet/Catering
- » Banquet/Catering Sales

- » Bartender
- » Caterer
- » Chef
- » Sous Chef
- » Cook
- » Entrepreneur/Business Owner

Pre-Apprenticeship for the Trades CTE Pathway

- » Carpenter
- » Electrician
- » Plumber
- » Machinist

- » Sprinkler Fitter
- » Laborer
- » Manufacturing
- » Maintenance

- » Mechanical Technician
- » Electrical Technician
- » Entrepreneur/Business Owner



LIVERPOOL

CENTRAL SCHOOL DISTRICT

195 Blackberry Rd., Liverpool, NY 13090

Board of Education

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Please reference the Course Catalog for all course offerings.

Course Catalog QR Code

