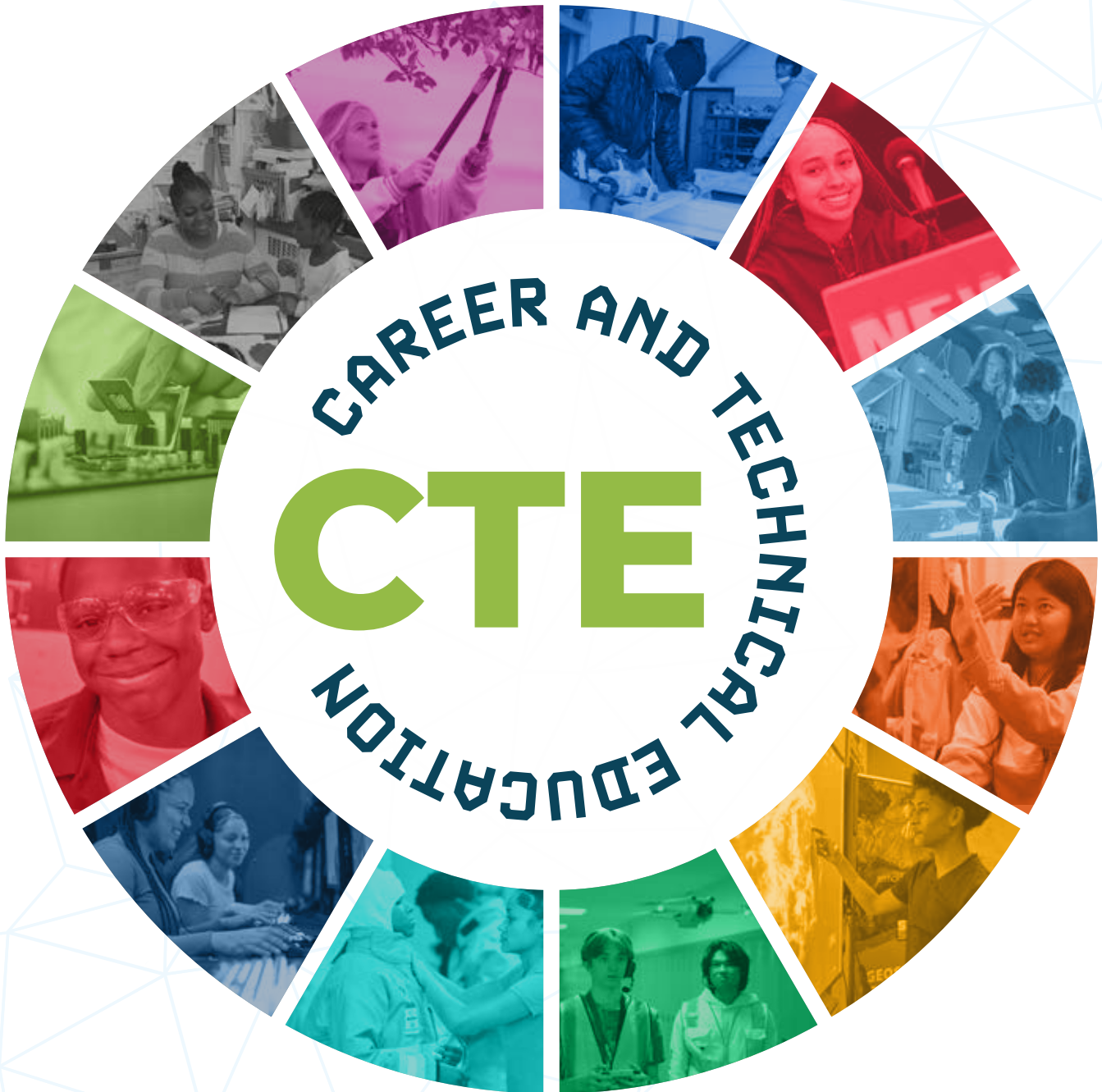




25-26 HIGH SCHOOL
CHOICE



DEAR SCSD COMMUNITY,

CTE Mission

Syracuse City School District Career and Technical Education exists to empower all students through innovative partnerships that build technical, academic, and professional leadership skills for college and career success.

SCSD CTE Department Values and Beliefs

- All students can be successful in CTE pathways.
- Education is a community effort that occurs beyond the walls of the classroom.
- We value the diversity, creativity, individualism, and innovation of all learners (students and staff).
- All students must have access to equitable opportunities that align with their interests and aptitudes.
- All students have strengths that are valued by the community and the ability to impact change.
- We make learning fun through real work experiences that align with the curriculum.

In the Syracuse City School District, our mission is to make sure every student has the opportunity, the support, and the encouragement to thrive.

Whether you see yourself continuing to college, serving in the military, or stepping directly into the workforce, we are committed to equipping you with the tools you'll need for success.

To make that possible, the SCSD provides a wide range of opportunities, including Career and Technical Education (CTE) pathways, Pathways in Technology Early College High School (PTECH) programs, and High School Choice Programs. Each of these options offers hands-on experiences, mentoring, and skill-building that extend well beyond the classroom.

This year, we are especially proud to have opened the first STEAM Regional High School in Downtown Syracuse, created through a partnership with the City of Syracuse, Onondaga County, and the Onondaga-Cortland-Madison BOCES. The school features exciting programs that prepare students for opportunities in fields like advanced manufacturing, gaming, and the visual and



performing arts. Students from SCSD and neighboring districts will learn and grow together, building skills that will carry them into the future.

No matter your passion or your pathway, there is a program here that will help you sharpen your abilities, showcase your talents, and connect with opportunities to achieve your goals. I encourage you to take some time to explore all that we have to offer in this guide.

We are honored to support you on your high school journey and to cheer you on as you take the next steps toward your future.

Pamela J. Odom
SUPERINTENDENT

CONTENTS

CTE & STEAM

Automotive Technology.....	4
Animation and Game Design	5
Barbering.....	6
Business Entrepreneurship.....	7
Business Technology.....	8
Computer Chip Technology & Production.....	9
Computer Forensics	10
Construction Management	11
Construction Technology	12
Cosmetology	13
Creative Expression and Design.....	14
Culinary Arts	15
Cybersecurity	16
Dance	17
Data Analytics.....	18
Electrical Trades.....	19
Emergency Medical Technician.....	20
Fire/Rescue	21
Forensic Science	22
Geospatial Technology	23
Heating, Ventilation, Air Conditioning, Refrigeration and Clean Energy	24
Law Enforcement.....	25
Manufacturing Technology	26
Media Communications.....	27
Medical Assisting.....	28
Music, Movie, and Theater Production.....	29
Natural Resources.....	30
Performing Arts.....	31
Robotics and Automation.....	32
Urban Teacher Preparation	33
Visual Arts	34
Welding Technology	35

PTECH.....36

Computer Chip Technology & Production.....	36
Computer Information Systems.....	37
Electrical Technology	38
Health Professions	39
Laboratory Science	40
Mechanical Technology	41
Remotely Piloted Aircraft Systems (RPAS)	42

CHOICE PROGRAMS.....43

** Course offerings showcased in this book are subject to change based on student interest and enrollment numbers. The availability of specific courses in any given term is not guaranteed and may be adjusted to best support student success and academic planning.

CTE Leadership Team

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EXECUTIVE DIRECTOR OF CTE

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SUPERVISING DIRECTOR OF CTE

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CTE Office (315) 435- 4214



Automotive Technology

Are you interested in cars? Do you like solving problems and working with your hands? Students will have hands on experience working on car brake systems, engine performance diagnosis, suspension and steering, electronic control systems, and on-board computerized engine control systems diagnosis on automobiles and light trucks. This program is the first step in preparing an individual for a career in the technical repair field.

AREA OF STUDY		9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
CTE		Automotive Tech 100	Automotive Tech 200	Automotive Tech 300 CTE Integrated Math	Automotive Tech 400 CTE Integrated English 12 Career & Financial Management
MATH	8th Grade Traditional Path	Algebra I	Geometry	Algebra II Business Applications	Business Applications Applied Statistical Reasoning
	8th Grade Accelerated Path	Geometry	Algebra II	Business Applications	Applied Statistical Reasoning
ENGLISH		English 9	English 10	English 11	CTE Integrated English 12
SOCIAL STUDIES		Human Society I	Human Society II AP World History	Civic Issues in US History SUPA American History AP US History	Active Citizenship SUPA Public Policy AP Government & Politics
SCIENCE	8th Grade Traditional Path	Life Science: Biology	Earth & Space Science	Chemistry Non-Regents Science Elective	Non-Regents Science Elective
	8th Grade Accelerated Path	Earth & Space Science	Chemistry SUPA/AP/ESF Science Course	Physics SUPA/AP/ESF Science Course	Non-Regents Science Elective SUPA/AP/ESF Science Course
PE/HEALTH		PE	PE Health	PE	PE
WORLD LANGUAGE		Level I Level II	Level II Level III	Level III Level IV	Level IV SUPA
LOCATION		ITC			
ART/MUSIC ELECTIVES		Studio in Art, Band, Music in Our Lives			
ADDITIONAL ELECTIVES		Computer Applications, Design & Drawing for Production, Sports Entertainment Marketing, Principles of Engineering			
CAREER PATHS		Professional Mechanic, Body Shop Technician, Garage Owner, Maintenance Mechanic			
COLLEGE & INDUSTRY RECOGNIZED CREDENTIALS		- NYS Certified Motor Vehicle Inspection License - Electrical Multimeter Certification - Up to 30 College Credits			

Animation and Game Design



Are you a natural technology problem solver? Do you like to be creative with coding? Students will learn skills in both visual art concepts as well as new and emerging digital processes in multiple types of media for multiple applications, including digital photography, digital image editing, graphic design, website design, video and audio production and post-production, 2D and 3D computer animation, and innovative video game designing.

AREA OF STUDY		9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
CTE		Animation & Game Design 100	Animation & Game Design 200	Animation & Game Design 300 CTE Integrated Math	Animation & Game Design 400 CTE Integrated English 12 CTE Integrated Science Career & Financial Management
MATH	8th Grade Traditional Path	Algebra I	Geometry	Algebra II Business Applications	Business Applications Applied Statistical Reasoning
	8th Grade Accelerated Path	Geometry	Algebra II	Business Applications	Applied Statistical Reasoning
ENGLISH		English 9	English 10	English 11	CTE Integrated English 12
SOCIAL STUDIES		Human Society I	Human Society II	Civic Issues in US History	Active Citizenship
SCIENCE	8th Grade Traditional Path	Life Science: Biology	Earth & Space Science	Chemistry	Non-Regents Science Elective
	8th Grade Accelerated Path	Earth & Space Science	Chemistry	Physics	Non-Regents Science Elective
PE/HEALTH		PE	PE Health	PE	PE
WORLD LANGUAGE		Level I Level II	Level II Level III	Level III Level IV	Level IV SUPA
LOCATION		STEAM			
ART/MUSIC ELECTIVES		Studio in Art, Band, Orchestra, Art 2-D, AP Studio Art, Beginning Band, Music in Our Lives, Chorus, World Drumming, Art 3-D, Art History, Concert Choir			
ADDITIONAL ELECTIVES		Entrepreneurship, Computer Applications, Design & Drawing for Production, Personal Business Management, Sports Entertainment Marketing, Principles of Engineering			
CAREER PATHS		Video Game Designer, Animator, Film and Video Editor, Streaming Video and Digital Film			
COLLEGE & INDUSTRY RECOGNIZED CREDENTIALS		• Adobe Certified Associate • AVID Pro Tools Certification • Up to 30 College Credits			



Barbering

Are you a creative, artistic person? Do you like working and socializing with others? Would you like to own your own business someday? This program is designed to provide competency-based knowledge, theory and hands-on fundamentals associated with the barber industry.

AREA OF STUDY		9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
CTE		Barbering 100	Barbering 200	Barbering 300 CTE Integrated Science	Barbering 400 CTE Integrated English 12 Career & Financial Management
MATH	8th Grade Traditional Path	Algebra I	Geometry	Algebra II Business Applications	Business Applications Applied Statistical Reasoning
	8th Grade Accelerated Path	Geometry	Algebra II	Business Applications	Applied Statistical Reasoning
ENGLISH		English 9	English 10	English 11	CTE Integrated English 12
SOCIAL STUDIES		Human Society I	Human Society II AP World History	Civic Issues in US History SUPA American History AP US History	Active Citizenship SUPA Public Policy AP Government & Politics
SCIENCE	8th Grade Traditional Path	Life Science: Biology	Earth & Space Science	Chemistry Non-Regents Science Elective	Non-Regents Science Elective
	8th Grade Accelerated Path	Earth & Space Science	Chemistry	Physics Non-Regents Science Elective	Non-Regents Science Elective
PE/HEALTH		PE	PE Health	PE	PE
WORLD LANGUAGE		Level I Level II	Level II Level III	Level III Level IV	Level IV SUPA
LOCATION		PSLA @ Fowler			
ART/MUSIC ELECTIVES		Studio in Art, Band, Orchestra, Art 2-D, AP Studio Art, Beginning Band, Music in Our Lives, Chorus, World Drumming, Art 3-D, Art History, Concert Choir			
ADDITIONAL ELECTIVES		Entrepreneurship, Computer Applications, Design & Drawing for Production, Personal Business Management, Sports Entertainment Marketing, Principles of Engineering			
CAREER PATHS		Barber, Hair Stylist, Barber Shop Owner, Barber Shop Manager			
COLLEGE & INDUSTRY RECOGNIZED CREDENTIALS		- Temporary New York State Barber License - Up to 30 College Credits			

Business Entrepreneurship



Does the idea of creating new businesses, executing big ideas and anticipating market needs interest you? The Business Entrepreneurship program will prepare students for careers and further education and training in the world of business. Students will learn concepts and techniques for planning entrepreneurial ventures, using design thinking and business model development.

AREA OF STUDY		9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
CTE		Business Entrepreneurship 100	Business Entrepreneurship 200	Business Entrepreneurship 300 CTE Integrated Math	Business Entrepreneurship 400 CTE Integrated English 12 CTE Integrated Consumer Law Career & Financial Management
MATH	8th Grade Traditional Path	Algebra I	Geometry	Algebra II Business Applications	Business Applications Applied Statistical Reasoning
	8th Grade Accelerated Path	Geometry	Algebra II	Business Applications	Applied Statistical Reasoning
ENGLISH		English 9	English 10	English 11	CTE Integrated English 12
SOCIAL STUDIES		Human Society I	Human Society II	Civic Issues in US History	Active Citizenship
SCIENCE	8th Grade Traditional Path	Life Science: Biology	Earth & Space Science	Chemistry	Non-Regents Science Elective
	8th Grade Accelerated Path	Earth & Space Science	Chemistry	Physics	Non-Regents Science Elective
PE/HEALTH		PE	PE Health	PE	PE
WORLD LANGUAGE		Level I Level II	Level II Level III	Level III Level IV	Level IV SUPA
LOCATION		STEAM			
ART/MUSIC ELECTIVES		Studio in Art, Band, Orchestra, Art 2-D, AP Studio Art, Beginning Band, Music in Our Lives, Chorus, World Drumming, Art 3-D, Art History, Concert Choir			
ADDITIONAL ELECTIVES		Entrepreneurship, Computer Applications, Design & Drawing for Production, Personal Business Management, Sports Entertainment Marketing, Principles of Engineering			
CAREER PATHS		Entrepreneur, Business and Development, Managers, Purchasing Manager, Small Business Owner, Management Analysis			
COLLEGE & INDUSTRY RECOGNIZED CREDENTIALS		- Microsoft Specialist in Word and Excel - Up to 30 College Credits			



Business Technology

Do you like controlling your own destiny? Do you want to turn your passion into your career? This program offers students the skills necessary to pursue business or finance degrees in college and learn about running a successful business. While learning about financial management, accounting, computer applications and other business fundamentals, students will meet local business people, visit college programs, and see successful local businesses in action.

AREA OF STUDY		9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
CTE		Business Tech 100	Business Tech 200	Business Tech 300 CTE Integrated Math	Business Tech 400 CTE Integrated English 12 Career & Financial Management
MATH	8th Grade Traditional Path	Algebra I	Geometry	Algebra II Business Applications	Business Applications Applied Statistical Reasoning
	8th Grade Accelerated Path	Geometry	Algebra II	Business Applications	Applied Statistical Reasoning
ENGLISH		English 9	English 10	English 11	CTE Integrated English 12
SOCIAL STUDIES		Human Society I	Human Society II AP World History	Civic Issues in US History SUPA American History AP US History	Active Citizenship SUPA Public Policy AP Government & Politics
SCIENCE	8th Grade Traditional Path	Life Science: Biology	Earth & Space Science	Chemistry Non-Regents Science Elective	Non-Regents Science Elective
	8th Grade Accelerated Path	Earth & Space Science	Chemistry	Physics SUPA Biology Non-Regents Science Elective	Non-Regents Science Elective SUPA/AP Science Course
PE/HEALTH		PE	PE Health	PE	PE
WORLD LANGUAGE		Level I Level II	Level II Level III	Level III Level IV	Level IV SUPA
LOCATION		PSLA @ Fowler & Nottingham			
ART/MUSIC ELECTIVES		Studio in Art, Band, Orchestra, Art 2-D, AP Studio Art, Beginning Band, Music in Our Lives, Chorus, World Drumming, Art 3-D, Art History, Concert Choir			
ADDITIONAL ELECTIVES		SUPA Entrepreneurship, Computer Applications, Design & Drawing for Production, Personal Business Management, Sports Entertainment Marketing, Principles of Engineering			
CAREER PATHS		Business Owner, Accountant, Human Resources/Personnel Specialist, Real Estate Broker			
COLLEGE & INDUSTRY RECOGNIZED CREDENTIALS		- DECA participation - Income Tax Preparation - MOS (Microsoft Office Specialist) - NYS Real Estate - QuickBooks			

Computer Chip Technology & Production



Are you interested in how technology will shape the future? Are you skilled at troubleshooting electrical and mechanical issues?

AREA OF STUDY		9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
CTE		CCTP 100	CCTP 200	CCTP 300 CTE Integrated Math	CCTP 400 CTE Integrated English 12 CTE Integrated Science Career & Financial Management
MATH	8th Grade Traditional Path	Algebra I	Geometry	Algebra II Business Applications	Business Applications Applied Statistical Reasoning
	8th Grade Accelerated Path	Geometry	Algebra II	Business Applications	Applied Statistical Reasoning
ENGLISH		English 9	English 10	English 11	CTE Integrated English 12
SOCIAL STUDIES		Human Society I	Human Society II	Civic Issues in US History	Active Citizenship
SCIENCE	8th Grade Traditional Path	Life Science: Biology	Earth & Space Science	Chemistry	Non-Regents Science Elective
	8th Grade Accelerated Path	Earth & Space Science	Chemistry	Physics	Non-Regents Science Elective
PE/HEALTH		PE	PE Health	PE	PE
WORLD LANGUAGE		Level I Level II	Level II Level III	Level III Level IV	Level IV SUPA
LOCATION		STEAM			
ART/MUSIC ELECTIVES		Studio in Art, Band, Orchestra, Art 2-D, AP Studio Art, Beginning Band, Music in Our Lives, Chorus, World Drumming, Art 3-D, Art History, Concert Choir			
ADDITIONAL ELECTIVES		Entrepreneurship, Computer Applications, Design & Drawing for Production, Personal Business Management, Sports Entertainment Marketing, Principles of Engineering			
CAREER PATHS		Semiconductor Manufacturing Technician, Fab Manufacturing Technician, Semiconductor Engineer Test Engineer, Operations Manager			
COLLEGE & INDUSTRY RECOGNIZED CREDENTIALS		- OCC Electromechanical Technology Certificate - OSHA 10 General Safety Certificate - Up to 30 College Credits			



Computer Forensics

Are you interested in computers? Do you like the idea of investigating crimes and uncovering evidence? Computer Forensics is the application of investigation and analysis techniques to gather and preserve evidence from computing devices in a way that is suitable for presentation in a court of law. Students will build on skills in information processing, networks, hardware, software applications to explore the processes of securing computers and computer networks, and conducting investigations of cyber crimes and forensic analysis of digital devices.

AREA OF STUDY		9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
CTE		Computer Forensics 100	Computer Forensics 200	Computer Forensics 300 CTE Integrated Math	Computer Forensics 400 CTE Integrated English 12 Career & Financial Management
MATH	8th Grade Traditional Path	Algebra I	Geometry	Algebra II Business Applications	Business Applications Applied Statistical Reasoning
	8th Grade Accelerated Path	Geometry	Algebra II	Business Applications	Applied Statistical Reasoning
ENGLISH		English 9	English 10	English 11	CTE Integrated English 12
SOCIAL STUDIES		Human Society I	Human Society II AP World History	Civic Issues in US History SUPA American History AP US History	Active Citizenship SUPA Public Policy AP Government & Politics
SCIENCE	8th Grade Traditional Path	Life Science: Biology	Earth & Space Science	Chemistry Non-Regents Science Electives	Non-Regents Science Electives
	8th Grade Accelerated Path	Earth & Space Science	Chemistry	Physics SUPA Biology Non-Regents Science Electives	Non-Regents Science Electives SUPA/AP Science Course
PE/HEALTH		PE	PE Health	PE	PE
WORLD LANGUAGE		Level I Level II	Level II Level III	Level III Level IV	Level IV SUPA
LOCATION		PSLA @ Fowler			
ART/MUSIC ELECTIVES		Studio in Art, Band, Orchestra, Art 2-D, AP Studio Art, Beginning Band, Music in Our Lives, Chorus, World Drumming, Art 3-D, Art History, Concert Choir			
ADDITIONAL ELECTIVES		SUPA Biology, Computer Applications, Design & Drawing for Production, Personal Business Management, Sports Entertainment Marketing, Principles of Engineering			
CAREER PATHS		Information Technology, Law Enforcement, Computer Forensic Specialist, Digital Forensics Examiner			
COLLEGE & INDUSTRY RECOGNIZED CREDENTIALS		- CompTIA A+ Certification - Up to 30 College Credits			



Are you the kind of person that likes overall planning, coordination, and control of a project from inception to completion? Students in this program are prepared for careers and further education and training in the construction industry, especially the management of construction projects, such as construction manager, construction engineer, cost estimator, construction superintendent, scheduler, and construction inspector.

AREA OF STUDY		9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
CTE		Cons. Management 100	Cons. Management 200	Cons. Management 300 CTE Integrated Math	Cons. Management 400 CTE Integrated English 12 Career & Financial Management
MATH	8th Grade Traditional Path	Algebra I	Geometry	Algebra II Business Applications	Business Applications Applied Statistical Reasoning
	8th Grade Accelerated Path	Geometry	Algebra II	Business Applications	Applied Statistical Reasoning
ENGLISH		English 9	English 10	English 11	CTE Integrated English 12
SOCIAL STUDIES		Human Society I	Human Society II	Civic Issues in US History	Active Citizenship
SCIENCE	8th Grade Traditional Path	Life Science: Biology	Earth & Space Science	Chemistry	Non-Regents Science Elective
	8th Grade Accelerated Path	Earth & Space Science	Chemistry	Physics	Non-Regents Science Elective
PE/HEALTH		PE	PE Health	PE	PE
WORLD LANGUAGE		Level I Level II	Level II Level III	Level III Level IV	Level IV SUPA
LOCATION		STEAM			
ART/MUSIC ELECTIVES		Studio in Art, Band, Orchestra, Art 2-D, AP Studio Art, Beginning Band, Music in Our Lives, Chorus, World Drumming, Art 3-D, Art History, Concert Choir			
ADDITIONAL ELECTIVES		Entrepreneurship, Computer Applications, Design & Drawing for Production, Personal Business Management, Sports Entertainment Marketing, Principles of Engineering			
CAREER PATHS		Project Manager, Building Inspector, Construction Manager, Field Engineer, Contractor			
COLLEGE & INDUSTRY RECOGNIZED CREDENTIALS		- ProCore Certifications - OSHA 10 General Safety Certificate - Up to 30 College Credits			



Construction Technology

Do you like building things? Are you the kind of person that likes to work with your hands? Do you have an eye for detail and quality workmanship? At the completion of Construction Technology program, students will be able to apply the trade skills necessary for entry-level employment, apprenticeships and post-secondary education. Students will study and practice safety training, framing, roofing, door and window installation, hand and power tool use, concrete, masonry and bricklaying, blueprint reading, plumbing, electrical, and construction equipment and rigging.

AREA OF STUDY		9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
CTE		Construction Tech 100	Construction Tech 200	Construction Tech 300 CTE Integrated Math	Construction Tech 400 CTE Integrated English 12 Career & Financial Management
MATH	8th Grade Traditional Path	Algebra I	Geometry	Algebra II Business Applications	Business Applications Applied Statistical Reasoning
	8th Grade Accelerated Path	Geometry	Algebra II	Business Applications	Applied Statistical Reasoning
ENGLISH		English 9	English 10	English 11	CTE Integrated English 12
SOCIAL STUDIES		Human Society I	Human Society II AP World History	Civic Issues in US History SUPA American History AP US History	Active Citizenship SUPA Public Policy AP Government & Politics
SCIENCE	8th Grade Traditional Path	Life Science: Biology	Earth & Space Science	Chemistry Non-Regents Science Elective	Non-Regents Science Elective
	8th Grade Accelerated Path	Earth & Space Science	Chemistry	Physics Non-Regents Science Elective	Non-Regents Science Elective SUPA/AP Science Course
PE/HEALTH		PE	PE Health	PE	PE
WORLD LANGUAGE		Level I Level II	Level II Level III	Level III Level IV	Level IV SUPA
LOCATION		Nottingham			
ART/MUSIC ELECTIVES		Studio in Art, Band, Orchestra, Art 2-D, AP Studio Art, Beginning Band, Music in Our Lives, Chorus, World Drumming, Art 3-D, Art History, Concert Choir			
ADDITIONAL ELECTIVES		SUPA Entrepreneurship, Computer Applications, Design & Drawing for Production, Personal Business Management, Sports Entertainment Marketing, Principles of Engineering			
CAREER PATHS		Construction Worker, Carpenter, Roofer, Drywall Finisher			
COLLEGE & INDUSTRY RECOGNIZED CREDENTIALS		• OSHA 10 General Safety Certificate • OSHA 30 Construction Safety Certificate • Up to 30 College Credits			



Do you have artistic ability, great communication skills, stamina, and a dedication to helping others look and feel their best? The Cosmetology program is taught in a state-of-the-art salon setting where students will engage in many hands-on services such as haircutting, hairstyling, coloring, chemical texture service, and manicuring, pedicuring and skin care. In addition to hands-on skills, students will learn about cosmetology through written work, lectures, guest speakers, group discussions, group activities and science-based lab work.

AREA OF STUDY		9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
CTE		Cosmetology 100	Cosmetology 200	Cosmetology 300 CTE Integrated Science	Cosmetology 400 CTE Integrated English 12 Career & Financial Management
MATH	8th Grade Traditional Path	Algebra I	Geometry	Algebra II Business Applications	Business Applications Applied Statistical Reasoning
	8th Grade Accelerated Path	Geometry	Algebra II	Business Applications	Applied Statistical Reasoning
ENGLISH		English 9	English 10	English 11	CTE Integrated English 12
SOCIAL STUDIES		Human Society I	Human Society II AP World History	Civic Issues in US History SUPA American History AP US History	Active Citizenship SUPA Public Policy AP Government & Politics
SCIENCE	8th Grade Traditional Path	Life Science: Biology	Earth & Space Science	Chemistry Non-Regents Science Electives	Non-Regents Science Electives
	8th Grade Accelerated Path	Earth & Space Science	Chemistry	Physics SUPA Biology Non-Regents Science Electives	Non-Regents Science Electives SUPA/AP Science Course
PE/HEALTH		PE	PE Health	PE	PE
WORLD LANGUAGE		Level I Level II	Level II Level III	Level III Level IV	Level IV SUPA
LOCATION		PSLA @ Fowler			
ART/MUSIC ELECTIVES		Studio in Art, Band, Orchestra, Art 2-D, AP Studio Art, Beginning Band, Music in Our Lives, Chorus, World Drumming, Art 3-D, Art History, Concert Choir			
ADDITIONAL ELECTIVES		SUPA Biology, Computer Applications, Design & Drawing for Production, Personal Business Management, Sports Entertainment Marketing, Principles of Engineering			
CAREER PATHS		Salon Stylist, Salon Manager, Make-up Artist, Nail Technician			
COLLEGE & INDUSTRY RECOGNIZED CREDENTIALS		- New York State Cosmetology License - Up to 30 College Credits			



Creative Expression and Design

Are naturally creative? Do you like collaborations and have a good eye for compelling design? Designers work in a variety of industries such as fashion, graphics, architecture, computer, industrial, and communications. This program teaches students the essential skills needed to begin a career in design.

AREA OF STUDY		9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
CTE		CED 100	CED 200	CED 300 CTE Integrated Math	CED 400 CTE Integrated English 12 Career & Financial Management
MATH	8th Grade Traditional Path	Algebra I	Geometry	Algebra II Business Applications	Business Applications Applied Statistical Reasoning
	8th Grade Accelerated Path	Geometry	Algebra II	Business Applications	Applied Statistical Reasoning
ENGLISH		English 9	English 10	English 11	CTE Integrated English 12
SOCIAL STUDIES		Human Society I	Human Society II AP World History	Civic Issues in US History SUPA American History AP US History	Active Citizenship SUPA Public Policy AP Government & Politics
SCIENCE	8th Grade Traditional Path	Life Science: Biology	Earth & Space Science	Chemistry Non-Regents Science Elective	Non-Regents Science Elective
	8th Grade Accelerated Path	Earth & Space Science	Chemistry	Physics Non-Regents Science Elective	Non-Regents Science Elective SUPA/AP Science Course
PE/HEALTH		PE	PE Health	PE	PE
WORLD LANGUAGE		Level I Level II	Level II Level III	Level III Level IV	Level IV SUPA
LOCATION		Nottingham			
ART/MUSIC ELECTIVES		Studio in Art, Band, Orchestra, Art 2-D, AP Studio Art, Beginning Band, Music in Our Lives, Chorus, World Drumming, Art 3-D, Art History, Concert Choir			
ADDITIONAL ELECTIVES		SUPA Entrepreneurship, Computer Applications, Design & Drawing for Production, Personal Business Management, Sports Entertainment Marketing, Principles of Engineering			
CAREER PATHS		Communications Designer, Interior Designer, Fashion Designer, Industrial Designer			
COLLEGE & INDUSTRY RECOGNIZED CREDENTIALS		Up to 30 College Credits			

Are you interested in hands on projects, baking, cake design, and creating new dishes? Students will learn the skills they need to excel in a career in the culinary professions, including pastry/baking techniques, food preparation, restaurant management, and food and kitchen safety. Students will learn classical culinary techniques and restaurant management essentials through lecture, hands-on experiences, and project-based learning.

AREA OF STUDY		9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
CTE		Culinary 100	Culinary 200	Culinary 300 CTE Integrated Science	Culinary 400 CTE Integrated English 12 Career & Financial Management
MATH	8th Grade Traditional Path	Algebra I	Geometry	Algebra II Business Applications	Business Applications Applied Statistical Reasoning
	8th Grade Accelerated Path	Geometry	Algebra II	Business Applications	Applied Statistical Reasoning
ENGLISH		English 9	English 10	English 11	CTE Integrated English 12
SOCIAL STUDIES		Human Society I	Human Society II AP World History	Civic Issues in US History SUPA American History AP US History	Active Citizenship SUPA Public Policy AP Government & Politics
SCIENCE	8th Grade Traditional Path	Life Science: Biology	Earth & Space Science	Chemistry Non-Regents Science Elective	Non-Regents Science Elective
	8th Grade Accelerated Path	Earth & Space Science	Chemistry SUPA/AP/ESF Science Course	Physics SUPA/AP/ESF Science Course	Non-Regents Science Elective SUPA/AP/ESF Science Course
PE/HEALTH		PE	PE Health	PE	PE
WORLD LANGUAGE		Level I Level II	Level II Level III	Level III Level IV	Level IV SUPA
LOCATION		ITC			
ART/MUSIC ELECTIVES		Studio in Art, Band, Music in Our Lives			
ADDITIONAL ELECTIVES		Computer Applications, Design & Drawing for Production, Sports Entertainment Marketing, Principles of Engineering			
CAREER PATHS		Personal & Private Chef, Caterer, Events Manager, Restaurant Owner			
COLLEGE & INDUSTRY RECOGNIZED CREDENTIALS		• ProStart® Articulations • ProStart® Certification • ServSafe Certification • Up to 30 College Credits			



Cybersecurity

Are you interested in computers and computer networks? Would you like to learn how to protect the information in those computers and networks? The number of cyber-attacks increase dramatically every year, and people with technical skills are needed to ensure online security. As a student in the Cybersecurity program at PSLA at Fowler, you'll learn how to make online information more secure and protect users from the growing threat of cyber-attacks.

AREA OF STUDY		9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
CTE		Cybersecurity 100	Cybersecurity 200	Cybersecurity 300 CTE Integrated Math	Cybersecurity 400 CTE Integrated English 12 Career & Financial Management
MATH	<i>8th Grade Traditional Path</i>	Algebra I	Geometry	Algebra II Business Applications	Business Applications Applied Statistical Reasoning
	<i>8th Grade Accelerated Path</i>	Geometry	Algebra II	Business Applications	Applied Statistical Reasoning
ENGLISH		English 9	English 10	English 11	CTE Integrated English 12
SOCIAL STUDIES		Human Society I	Human Society II AP World History	Civic Issues in US History SUPA American History AP US History	Active Citizenship SUPA Public Policy AP Government & Politics
SCIENCE	<i>8th Grade Traditional Path</i>	Life Science: Biology	Earth & Space Science	Chemistry Non-Regents Science Electives	Non-Regents Science Electives
	<i>8th Grade Accelerated Path</i>	Earth & Space Science	Chemistry	Physics SUPA Biology Non-Regents Science Electives	Non-Regents Science Electives SUPA/AP Science Course
PE/HEALTH		PE	PE Health	PE	PE
WORLD LANGUAGE		Level I Level II	Level II Level III	Level III Level IV	Level IV SUPA
LOCATION		PSLA @ Fowler			
ART/MUSIC ELECTIVES		Studio in Art, Band, Orchestra, Art 2-D, AP Studio Art, Beginning Band, Music in Our Lives, Chorus, World Drumming, Art 3-D, Art History, Concert Choir			
ADDITIONAL ELECTIVES		SUPA Biology, Computer Applications, Design & Drawing for Production, Personal Business Management, Sports Entertainment Marketing, Principles of Engineering			
CAREER PATHS		Information Technician, Security Manager, Cyber Threat Analyst, Information Security Analyst			
COLLEGE & INDUSTRY RECOGNIZED CREDENTIALS		- CompTIA A+ Certification - Up to 30 College Credits			

Are you the kind of person that wants to have a dynamic blend of artistic expression and professional skill development? Students in this program will have rigorous training in technique, choreography, and performance, students gain transferable skills that prepare them for careers in dance education, choreography, arts administration, physical therapy, and entertainment industries. This pathway also fosters discipline, creativity, and collaboration—qualities essential in both artistic and non-artistic professions.

AREA OF STUDY		9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
CTE		Dance 100	Dance 200	Dance 300 CTE Integrated Math	Dance 400 CTE Integrated English 12 Career & Financial Management
MATH	8th Grade Traditional Path	Algebra I	Geometry	Algebra II Business Applications	Business Applications Applied Statistical Reasoning
	8th Grade Accelerated Path	Geometry	Algebra II	Business Applications	Applied Statistical Reasoning
ENGLISH		English 9	English 10	English 11	CTE Integrated English 12
SOCIAL STUDIES		Human Society I	Human Society II	Civic Issues in US History	Active Citizenship
SCIENCE	8th Grade Traditional Path	Life Science: Biology	Earth & Space Science	Chemistry	Non-Regents Science Electives
	8th Grade Accelerated Path	Earth & Space Science	Chemistry	Physics	Non-Regents Science Electives
PE/HEALTH		PE	PE Health	PE	PE
WORLD LANGUAGE		Level I Level II	Level II Level III	Level III Level IV	Level IV SUPA
LOCATION		STEAM			
ART/MUSIC ELECTIVES		Studio in Art, Band, Orchestra, Art 2-D, AP Studio Art, Beginning Band, Modern Band, Chorus, World Drumming, Art 3-D, Art History, Concert Choir			
ADDITIONAL ELECTIVES		Entrepreneurship, Computer Applications, Design & Drawing for Production, Personal Business Management, Sports Entertainment Marketing, Principles of Engineering			
CAREER PATHS		Professional Dancer, Choreographer, Dance Company Member, Backup Dancer for Music Artists, Dance Educator			
COLLEGE & INDUSTRY RECOGNIZED CREDENTIALS		• OSHA 10 General Safety Certification • Up to 30 College Credits			

Are you the type of person who can analyze raw data for insights and trends with the goal of discovering useful information? Students in Data Analytics will learn the fundamentals of data science, its currency in the job market, and its applicability to everyday life through hands-on projects with real-world datasets. Students will learn about the reasons why data is collected, and the questions data analytics is used to answer.

AREA OF STUDY		9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
CTE		Data Analytics 100	Data Analytics 200	Data Analytics 300 CTE Integrated Math	Data Analytics 400 CTE Integrated English 12 CTE Integrated Science Career & Financial Management
MATH	8th Grade Traditional Path	Algebra I	Geometry	Algebra II Business Applications	Business Applications Applied Statistical Reasoning
	8th Grade Accelerated Path	Geometry	Algebra II	Business Applications	Applied Statistical Reasoning
ENGLISH		English 9	English 10	English 11	CTE Integrated English 12
SOCIAL STUDIES		Human Society I	Human Society II	Civic Issues in US History	Active Citizenship
SCIENCE	8th Grade Traditional Path	Life Science: Biology	Earth & Space Science	Chemistry	Non-Regents Science Elective
	8th Grade Accelerated Path	Earth & Space Science	Chemistry	Physics	Non-Regents Science Elective
PE/HEALTH		PE	PE Health	PE	PE
WORLD LANGUAGE		Level I Level II	Level II Level III	Level III Level IV	Level IV SUPA
LOCATION		STEAM			
ART/MUSIC ELECTIVES		Studio in Art, Band, Orchestra, Art 2-D, AP Studio Art, Beginning Band, Music in Our Lives, Chorus, World Drumming, Art 3-D, Art History, Concert Choir			
ADDITIONAL ELECTIVES		Entrepreneurship, Computer Applications, Design & Drawing for Production, Personal Business Management, Sports Entertainment Marketing, Principles of Engineering			
CAREER PATHS		Data Analyst, Research Analyst, Business Intelligence Analyst, Financial Analyst, Risk Analyst			
COLLEGE & INDUSTRY RECOGNIZED CREDENTIALS		- Microsoft Office: Power BI Data Analysis - Tableau - Python - Java - Up to 30 College Credits			



Do you enjoy making things work? Do you want to work both indoors and outdoors? Do you like solving problems and exercising your brain while working with your hands? With rapid advancements in our technology, electricians are in high demand and will continue to be far into the future. From designing lighting systems to installing streetlights and intercom systems to learning about the latest renewable energy concepts including solar, wind and geothermal technologies — this PSLA at Fowler program provides the hands-on skill development and technical training you need to secure entry-level employment (or higher) in the electrical trades field.

AREA OF STUDY		9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
CTE		Electrical Trades 100	Electrical Trades 200	Electrical Trades 300 CTE Integrated Math	Electrical Trades 400 CTE Integrated English 12 Career & Financial Management
MATH	8th Grade Traditional Path	Algebra I	Geometry	Algebra II Business Applications	Business Applications Applied Statistical Reasoning
	8th Grade Accelerated Path	Geometry	Algebra II	Business Applications	Applied Statistical Reasoning
ENGLISH		English 9	English 10	English 11	CTE Integrated English 12
SOCIAL STUDIES		Human Society I	Human Society II AP World History	Civic Issues in US History SUPA American History AP US History	Active Citizenship SUPA Public Policy AP Government & Politics
SCIENCE	8th Grade Traditional Path	Life Science: Biology	Earth & Space Science	Chemistry Non-Regents Science Electives	Non-Regents Science Electives
	8th Grade Accelerated Path	Earth & Space Science	Chemistry	Physics SUPA Biology Non-Regents Science Electives	Non-Regents Science Electives SUPA/AP Science Course
PE/HEALTH		PE	PE Health	PE	PE
WORLD LANGUAGE		Level I Level II	Level II Level III	Level III Level IV	Level IV SUPA
LOCATION		PSLA @ Fowler			
ART/MUSIC ELECTIVES		Studio in Art, Band, Orchestra, Art 2-D, AP Studio Art, Beginning Band, Music in Our Lives, Chorus, World Drumming, Art 3-D, Art History, Concert Choir			
ADDITIONAL ELECTIVES		SUPA Biology, Computer Applications, Design & Drawing for Production, Personal Business Management, Sports Entertainment Marketing, Principles of Engineering			
CAREER PATHS		Electrician, Transmission Technician, Lineman, Residential Wireman			
COLLEGE & INDUSTRY RECOGNIZED CREDENTIALS		• OSHA 10 Safety Certification • Up to 30 College Credits			



Emergency Medical Technician

Can you make critical decisions in high-pressure situations? Do you have a desire to help people in their time of need? Do you want to face a new challenge every day, or maybe even every hour? The field of pre-hospital emergency medical care (EMT) is an evolving profession in which the reality of life and death is confronted at a moment's notice. The role of the EMT has developed from providing basic first aid to serving as a sophisticated provider of on-scene medical services.

AREA OF STUDY		9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
CTE		EMT 100	EMT 200	EMT 300 CTE Integrated Science (A&P)	EMT 400 CTE Integrated English 12 Career & Financial Management
MATH	8th Grade Traditional Path	Algebra I	Geometry	Algebra II Business Applications	Business Applications Applied Statistical Reasoning
	8th Grade Accelerated Path	Geometry	Algebra II	Business Applications	Applied Statistical Reasoning
ENGLISH		English 9	English 10	English 11	CTE Integrated English 12
SOCIAL STUDIES		Human Society I	Human Society II AP World History	Civic Issues in US History SUPA American History AP US History	Active Citizenship SUPA Public Policy AP Government & Politics
SCIENCE	8th Grade Traditional Path	Life Science: Biology	Earth & Space Science	Chemistry Non-Regents Science Electives	Non-Regents Science Electives
	8th Grade Accelerated Path	Earth & Space Science	Chemistry	Physics SUPA Biology Non-Regents Science Electives	Non-Regents Science Electives SUPA/AP Science Course
PE/HEALTH		PE	PE Health	PE	PE
WORLD LANGUAGE		Level I Level II	Level II Level III	Level III Level IV	Level IV SUPA
LOCATION		PSLA @ Fowler			
ART/MUSIC ELECTIVES		Studio in Art, Band, Orchestra, Art 2-D, AP Studio Art, Beginning Band, Music in Our Lives, Chorus, World Drumming, Art 3-D, Art History, Concert Choir			
ADDITIONAL ELECTIVES		SUPA Biology, Computer Applications, Design & Drawing for Production, Personal Business Management, Sports Entertainment Marketing, Principles of Engineering			
CAREER PATHS		Data Analyst, Research Analyst, Business Intelligence Analyst, Financial Analyst, Risk Analyst			
COLLEGE & INDUSTRY RECOGNIZED CREDENTIALS		- AHA First Aid/CPR (Healthcare provider) - Incident Command System (ICS) - Mandated Reporter Certification - NYS Emergency Medical Technician (EMT) certification - National Registry of Emergency Medical Technicians (NREMT) certification - OSHA 10 General Safety Certification - SUNY Upstate Medical University, Emergency Medicine			

Can you make critical decisions in high-pressure situations? Do you have a desire to help people in their time of need? Do you want to face a new challenge every day, or maybe even every hour? It takes a special set of skills to become a firefighter: courage, strong communication and the ability to make quick decisions, not to mention physical strength and stamina. Firefighters are required to enter burning buildings to extinguish a fire and rescue individuals and operate a variety of specialized equipment while doing so. In addition, one of the major roles of the job doesn't involve fire at all and that's responding to medical emergencies and providing emergency medical care.

AREA OF STUDY		9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
CTE		Fire 100	Fire 200	Fire 300 CTE Integrated Science	Fire 400 CTE Integrated English 12 Career & Financial Management
MATH	8th Grade Traditional Path	Algebra I	Geometry	Algebra II Business Applications	Business Applications Applied Statistical Reasoning
	8th Grade Accelerated Path	Geometry	Algebra II	Business Applications	Applied Statistical Reasoning
ENGLISH		English 9	English 10	English 11	CTE Integrated English 12
SOCIAL STUDIES		Human Society I	Human Society II AP World History	Civic Issues in US History SUPA American History AP US History	Active Citizenship SUPA Public Policy AP Government & Politics
SCIENCE	8th Grade Traditional Path	Life Science: Biology	Earth & Space Science	Chemistry Non-Regents Science Electives	Non-Regents Science Electives
	8th Grade Accelerated Path	Earth & Space Science	Chemistry	Physics SUPA Biology Non-Regents Science Electives	Non-Regents Science Electives SUPA/AP Science Course
PE/HEALTH		PE	PE Health	PE	PE
WORLD LANGUAGE		Level I Level II	Level II Level III	Level III Level IV	Level IV SUPA
LOCATION		PSLA @ Fowler			
ART/MUSIC ELECTIVES		Studio in Art, Band, Orchestra, Art 2-D, AP Studio Art, Beginning Band, Music in Our Lives, Chorus, World Drumming, Art 3-D, Art History, Concert Choir			
ADDITIONAL ELECTIVES		SUPA Biology, Computer Applications, Design & Drawing for Production, Personal Business Management, Sports Entertainment Marketing, Principles of Engineering			
CAREER PATHS		Emergency Medical Technician, Fire Fighter, Fire Inspector/Fire Investigator, Alarm and Sprinkler Installation			
COLLEGE & INDUSTRY RECOGNIZED CREDENTIALS		- American Heart Association (AHA): Heartsaver CPR/AED and First Aid - Federal Emergency Management Agency (FEMA): IS 700 National Incident Management System/ IS 100 Incident Command System - Command System - Precision: Precision Exams Fire Science I Workplace Competency Credential - Up to 30 College Credits			



Forensic Science

Do you like science? Do you enjoy solving problems, mysteries, crime? Forensic Science is the application of scientific methods and techniques to gather and examine information which is used in a court of law. This program is a lab-based, hands-on course that will explore the work of forensic scientists. Recent advances in scientific methods and principles have had an enormous impact upon law enforcement and the entire criminal justice system.

AREA OF STUDY		9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
CTE		Forensic Science 100	Forensic Science 200	Forensic Science 300 CTE Integrated Science	Forensic Science 400 CTE Integrated English 12 Career & Financial Management
MATH	8th Grade Traditional Path	Algebra I	Geometry	Algebra II Business Applications	Business Applications Applied Statistical Reasoning
	8th Grade Accelerated Path	Geometry	Algebra II	Business Applications	Applied Statistical Reasoning
ENGLISH		English 9	English 10	English 11	CTE Integrated English 12
SOCIAL STUDIES		Human Society I	Human Society II AP World History	Civic Issues in US History SUPA American History AP US History	Active Citizenship SUPA Public Policy AP Government & Politics
SCIENCE	8th Grade Traditional Path	Life Science: Biology	Earth & Space Science	Chemistry Non-Regents Science Electives	Non-Regents Science Electives
	8th Grade Accelerated Path	Earth & Space Science	Chemistry	Physics SUPA Biology Non-Regents Science Electives	Non-Regents Science Electives SUPA/AP Science Course
PE/HEALTH		PE	PE Health	PE	PE
WORLD LANGUAGE		Level I Level II	Level II Level III	Level III Level IV	Level IV SUPA
LOCATION		PSLA @ Fowler			
ART/MUSIC ELECTIVES		Studio in Art, Band, Orchestra, Art 2-D, AP Studio Art, Beginning Band, Music in Our Lives, Chorus, World Drumming, Art 3-D, Art History, Concert Choir			
ADDITIONAL ELECTIVES		SUPA Biology, Computer Applications, Design & Drawing for Production, Personal Business Management, Sports Entertainment Marketing, Principles of Engineering			
CAREER PATHS		Evidence Technician, Forensic Scientist, Attorney, Medical Examiner			
COLLEGE & INDUSTRY RECOGNIZED CREDENTIALS		- Federal Bureau of Investigation: Teen/Youth Academy - Museum of Science & Technology: Science and Engineering Fair Competition - SkillsUSA: Crime Scene Investigation Competition - Up to 30 College Credits			



Do you like solving problems? Learning new technology? Working on projects? Anyone who has ever tracked down driving directions on the internet has used a geographical information system (GIS). Simply put, GIS can be thought of as high-tech mapping, but it's so much more. GIS professionals use information about the earth and the objects found on it to assess real-world problems and provide solutions in almost every industry. In the Geospatial Technology program students will learn to capture, edit, store, manipulate, and analyze a variety of data that are used to create a display such as internet mapping sites.

AREA OF STUDY		9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
CTE		Geospatial Tech 100	Geospatial Tech 200	Geospatial Tech 300 CTE Integrated Science	Geospatial Tech 400 CTE Integrated English 12 Career & Financial Management
MATH	8th Grade Traditional Path	Algebra I	Geometry	Algebra II Business Applications	Business Applications Applied Statistical Reasoning
	8th Grade Accelerated Path	Geometry	Algebra II	Business Applications	Applied Statistical Reasoning
ENGLISH		English 9	English 10	English 11	CTE Integrated English 12
SOCIAL STUDIES		Human Society I	Human Society II AP World History	Civic Issues in US History SUPA American History AP US History	Active Citizenship SUPA Public Policy AP Government & Politics
SCIENCE	8th Grade Traditional Path	Life Science: Biology	Earth & Space Science	Chemistry Non-Regents Science Electives	Non-Regents Science Electives
	8th Grade Accelerated Path	Earth & Space Science	Chemistry	Physics SUPA Biology Non-Regents Science Electives	Non-Regents Science Electives SUPA/AP Science Course
PE/HEALTH		PE	PE Health	PE	PE
WORLD LANGUAGE		Level I Level II	Level II Level III	Level III Level IV	Level IV SUPA
LOCATION		PSLA @ Fowler			
ART/MUSIC ELECTIVES		Studio in Art, Band, Orchestra, Art 2-D, AP Studio Art, Beginning Band, Music in Our Lives, Chorus, World Drumming, Art 3-D, Art History, Concert Choir			
ADDITIONAL ELECTIVES		SUPA Biology, Computer Applications, Design & Drawing for Production, Personal Business Management, Sports Entertainment Marketing, Principles of Engineering			
CAREER PATHS		Cartographer, Geospatial Analyst, Geospatial Technician, Geospatial Software/Hardware Developer			
COLLEGE & INDUSTRY RECOGNIZED CREDENTIALS		Up to 30 College Credits			



Heating, Ventilation, Air Conditioning, Refrigeration and Clean Energy

Are you a detail oriented individual who prefers hands-on tasks and troubleshooting problems? The heating and air conditioning program is designed to provide students with a comprehensive knowledge of heating, ventilation, air-conditioning, and refrigeration systems including both residential and commercial applications. Mastering installation, troubleshooting, and maintenance practices are central to this program.

AREA OF STUDY		9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
CTE		HVACR 100	HVACR 200	HVACR 300 CTE Integrated Math	HVACR 400 CTE Integrated English 12 CTE Integrated Science Career & Financial Management
MATH	8th Grade Traditional Path	Algebra I	Geometry	Algebra II Business Applications	Business Applications Applied Statistical Reasoning IB Math
	8th Grade Accelerated Path	Geometry	Algebra II	Business Applications	Applied Statistical Reasoning
ENGLISH		English 9	English 10	English 11	CTE Integrated English 12
SOCIAL STUDIES		Human Society I	Human Society II	Civic Issues in US History IB History of the Americans I	Active Citizenship IB History of the Americans II
SCIENCE	8th Grade Traditional Path	Life Science: Biology	Earth & Space Science	Chemistry	Non-Regents Science Elective
	8th Grade Accelerated Path	Earth & Space Science	Chemistry	Physics	Non-Regents Science Elective
PE/HEALTH		PE	PE Health	PE	PE
WORLD LANGUAGE		Level I Level II	Level II Level III	Level III IB Spanish III Level IV	Level IV IB Spanish IV
LOCATION		Corcoran			
ART/MUSIC ELECTIVES		Studio in Art, Band, Orchestra, Art 2-D, AP Studio Art, Beginning Band, IB Theater, Music in Our Lives, Chorus, World Drumming, Art 3-D, Art History, Concert Choir, IB Art I & II			
ADDITIONAL ELECTIVES		IB Design, Computer Applications, Design & Drawing for Production, Personal Business Management, Sports Entertainment Marketing, Principles of Engineering			
CAREER PATHS		Boilermakers, HVACR Technician, Plumbers, Pipefitters, and Steamfitters, Sheet Metal Workers			
COLLEGE & INDUSTRY RECOGNIZED CREDENTIALS		• OSHA 10 General Safety • North American Technician Excellence (NATE) • Indoor Air Quality • Type 1 EPA • Type 2 EPA • Type 3 EPA • Up to 30 College Credits			



Are you interested in serving the public, protecting people, and having a positive impact on your community? Students will learn about legal and court systems and the attitudes and personal fitness levels necessary for a career in the field. The interactive learning experiences increase understanding of critical subject matter, including crime scene investigation and evidence analysis, terrorism and Incident Command Systems.

AREA OF STUDY		9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
CTE		Law 100	Law 200	Law 300 CTE Integrated Science	Law 400 CTE Integrated English 12 Career & Financial Management
MATH	8th Grade Traditional Path	Algebra I	Geometry	Algebra II Business Applications	Business Applications Applied Statistical Reasoning
	8th Grade Accelerated Path	Geometry	Algebra II	Business Applications	Applied Statistical Reasoning
ENGLISH		English 9	English 10	English 11	CTE Integrated English 12
SOCIAL STUDIES		Human Society I	Human Society II AP World History	Civic Issues in US History SUPA American History AP US History	Active Citizenship SUPA Public Policy AP Government & Politics
SCIENCE	8th Grade Traditional Path	Life Science: Biology	Earth & Space Science	Chemistry Non-Regents Science Electives	Non-Regents Science Electives
	8th Grade Accelerated Path	Earth & Space Science	Chemistry	Physics SUPA Biology Non-Regents Science Electives	Non-Regents Science Electives SUPA/AP Science Course
PE/HEALTH		PE	PE Health	PE	PE
WORLD LANGUAGE		Level I Level II	Level II Level III	Level III Level IV	Level IV SUPA
LOCATION		PSLA @ Fowler			
ART/MUSIC ELECTIVES		Studio in Art, Band, Orchestra, Art 2-D, AP Studio Art, Beginning Band, Music in Our Lives, Chorus, World Drumming, Art 3-D, Art History, Concert Choir			
ADDITIONAL ELECTIVES		SUPA Biology, Computer Applications, Design & Drawing for Production, Personal Business Management, Sports Entertainment Marketing, Principles of Engineering			
CAREER PATHS		Law Enforcement Officer, Private Investigator, Secret Service Agent, Security Guard			
COLLEGE & INDUSTRY RECOGNIZED CREDENTIALS		- American Heart Association (CPR, AED, First Aid) - FEMA (National Incident Management System, Incident Command System) - New York State (Security Guard Pre-assignment Training Course) - National Criminal Justice Certification - Up to 30 College Credits			



Manufacturing Technology

Are you interested in hands-on experience with industry standard tools and machinery? Manufacturers are paying high hourly wages and highly valued benefits. They use tools and machines to make engines, computers, aircraft, ships, boats, toys, electronic devices, control panels, and more.

AREA OF STUDY		9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
CTE		Manufacturing 100	Manufacturing 200	Manufacturing 300 CTE Integrated Math	Manufacturing 400 CTE Integrated English 12 CTE Integrated Science Career & Financial Management
MATH	8th Grade Traditional Path	Algebra I	Geometry	Algebra II Business Applications	Business Applications Applied Statistical Reasoning IB Math
	8th Grade Accelerated Path	Geometry	Algebra II	Business Applications	Applied Statistical Reasoning
ENGLISH		English 9	English 10	English 11	CTE Integrated English 12
SOCIAL STUDIES		Human Society I	Human Society II	Civic Issues in US History IB History of the Americans I	Active Citizenship IB History of the Americans II
SCIENCE	8th Grade Traditional Path	Life Science: Biology	Earth & Space Science	Chemistry IB Science	Non-Regents Science Elective
	8th Grade Accelerated Path	Earth & Space Science	Chemistry	Physics IB Science	Non-Regents Science Elective
PE/HEALTH		PE	PE Health	PE	PE
WORLD LANGUAGE		Level I Level II	Level II Level III	Level III IB Spanish III Level IV	Level IV IB Spanish IV
LOCATION		Corcoran			
ART/MUSIC ELECTIVES		Studio in Art, Band, Orchestra, Art 2-D, AP Studio Art, Beginning Band, IB Theater, Music in Our Lives, Chorus, World Drumming, Art 3-D, Art History, Concert Choir, IB Art I & II			
ADDITIONAL ELECTIVES		IB Design, Computer Applications, Design & Drawing for Production, Personal Business Management, Sports Entertainment Marketing, Principles of Engineering			
CAREER PATHS		Assembler, CNC Operator, Machinists, Maintenance Mechanic			
COLLEGE & INDUSTRY RECOGNIZED CREDENTIALS		• OSHA 10 General Safety • Up to 30 College Credits			



Do you dream of anchoring at a news desk? Do you dream of working behind the scenes as a camera operator/programmer? The Media Communications program will help students develop the skills necessary for careers in television, radio, film, and electronic print media, including video production, news broadcasting, digital design, and media writing. Students will learn advanced professional skills in video, photo, audio, film, broadcasting, and journalism using industry standard hardware and software in the development and production of products.

AREA OF STUDY		9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
CTE		Media 100	Media 200	Media 300 CTE Integrated Science	Media 400 CTE Integrated English 12 Career & Financial Management
MATH	8th Grade Traditional Path	Algebra I	Geometry	Algebra II Business Applications	Business Applications Applied Statistical Reasoning
	8th Grade Accelerated Path	Geometry	Algebra II	Business Applications	Applied Statistical Reasoning
ENGLISH		English 9	English 10	English 11	CTE Integrated English 12
SOCIAL STUDIES		Human Society I	Human Society II AP World History	Civic Issues in US History SUPA American History AP US History	Active Citizenship SUPA Public Policy AP Government & Politics
SCIENCE	8th Grade Traditional Path	Life Science: Biology	Earth & Space Science	Chemistry Non-Regents Science Electives	Non-Regents Science Electives
	8th Grade Accelerated Path	Earth & Space Science	Chemistry	Physics SUPA/AP/ESF Science Course	Non-Regents Science Electives SUPA/AP/ESF Science Course
PE/HEALTH		PE	PE Health	PE	PE
WORLD LANGUAGE		Level I Level II	Level II Level III	Level III Level IV	Level IV SUPA
LOCATION		ITC			
ART/MUSIC ELECTIVES		Studio in Art, Band, Music in Our Lives			
ADDITIONAL ELECTIVES		Computer Applications, Design & Drawing for Production, Sports Entertainment Marketing, Principles of Engineering			
CAREER PATHS		Film Maker, Graphic Designer, News Anchor, Photographer/Reporter			
COLLEGE & INDUSTRY RECOGNIZED CREDENTIALS		• Adobe InDesign • Adobe Photoshop • Up to 30 College Credits			



Medical Assisting

Are you a caring and compassionate person who loves to help others? Do you like doing different things every day? Are you interested in science and medicine? This program provides an opportunity for the student to obtain knowledge and skills in the classroom setting and then apply them in real life situations at local medical facilities, including job shadowing and internships. Instruction includes preparing patients for examination and treatment, routine laboratory procedures and diagnostic testing.

AREA OF STUDY		9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
CTE		Medical Assisting 100	Medical Assisting 200	Medical Assisting 300 CTE Integrated Science	Medical Assisting 400 CTE Integrated English 12 Career & Financial Management
MATH	8th Grade Traditional Path	Algebra I	Geometry	Algebra II Business Applications	Business Applications Applied Statistical Reasoning
	8th Grade Accelerated Path	Geometry	Algebra II	Business Applications	Applied Statistical Reasoning
ENGLISH		English 9	English 10	English 11	CTE Integrated English 12
SOCIAL STUDIES		Human Society I	Human Society II AP World History	Civic Issues in US History SUPA American History AP US History	Active Citizenship SUPA Public Policy AP Government & Politics
SCIENCE	8th Grade Traditional Path	Life Science: Biology	Earth & Space Science	Chemistry Non-Regents Science Electives	Non-Regents Science Electives
	8th Grade Accelerated Path	Earth & Space Science	Chemistry	Physics SUPA Biology Non-Regents Science Electives	Non-Regents Science Electives SUPA/AP Science Course
PE/HEALTH		PE	PE Health	PE	PE
WORLD LANGUAGE		Level I Level II	Level II Level III	Level III Level IV	Level IV SUPA
LOCATION		Henninger			
ART/MUSIC ELECTIVES		Studio in Art, Band, Orchestra, Art 2-D, AP Studio Art, Beginning Band, Music in Our Lives, Chorus, World Drumming, Art 3-D, Art History, Concert Choir			
ADDITIONAL ELECTIVES		SUPA Biology, Computer Applications, Design & Drawing for Production, Personal Business Management, Sports Entertainment Marketing, Principles of Engineering			
CAREER PATHS		Medical Lab Technician, Phlebotomist, Nurse, Radiology Technician			
COLLEGE & INDUSTRY RECOGNIZED CREDENTIALS		- First Aid CPR (Rescue Level) - First Aid CPE (Health Provider) - Certified Clinical Medical Assistant (CCMA) - Certified Medical Administrative Assistant (CMAA) - Up to 30 College Credits			

Music, Movie, and Theater Production



Are you the type of person who'd rather be running the production, instead of being on the stage? Students will learn techniques used by industry professionals through a project-based approach to instruction which incorporates direct experiences with technical theater skills and professionals. Key areas of instruction and experience include elements of design; set design/ dressing and construction; wardrobe and costume design and production; audio and lighting design and implementation; production, stage and front of house management; analysis of technical requirements.

AREA OF STUDY		9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
CTE		MMTP 100	MMTP 200	MMTP 300 CTE Integrated Science	MMTP 400 CTE Integrated English 12 Career & Financial Management
MATH	8th Grade Traditional Path	Algebra I	Geometry	Algebra II Business Applications	Business Applications Applied Statistical Reasoning
	8th Grade Accelerated Path	Geometry	Algebra II	Business Applications	Applied Statistical Reasoning
ENGLISH		English 9	English 10	English 11	CTE Integrated English 12
SOCIAL STUDIES		Human Society I	Human Society II	Civic Issues in US History	Active Citizenship
SCIENCE	8th Grade Traditional Path	Life Science: Biology	Earth & Space Science	Chemistry	Non-Regents Science Electives
	8th Grade Accelerated Path	Earth & Space Science	Chemistry	Physics	Non-Regents Science Electives
PE/HEALTH		PE	PE Health	PE	PE
WORLD LANGUAGE		Level I Level II	Level II Level III	Level III Level IV	Level IV SUPA
LOCATION		STEAM			
ART/MUSIC ELECTIVES		Studio in Art, Band, Orchestra, Art 2-D, AP Studio Art, Beginning Band, Music in Our Lives, Chorus, World Drumming, Art 3-D, Art History, Concert Choir			
ADDITIONAL ELECTIVES		Entrepreneurship, Computer Applications, Design & Drawing for Production, Personal Business Management, Sports Entertainment Marketing, Principles of Engineering			
CAREER PATHS		Event Production Engineer, Visual/Lighting/Audio/Sound, Engineer, Costume Designer, Prop Manager			
COLLEGE & INDUSTRY RECOGNIZED CREDENTIALS		- USITT BACKStage Certificate - OSHA 10 Safety Certification - Up to 30 College Credits			



Natural Resources

Are you interested in nature, science and the world around you? Do you want to help make the world a better place? Students will work in groups to investigate and help solve environmental problems and will explore careers available in the natural resources pathways. Major areas of study include environmental health, science measurement and skills, ecology, biomes and ecosystems, population studies, tradeoff investigations, and mineral use and identification.

AREA OF STUDY		9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
CTE		Nat. Resources 100	Nat. Resources 200	Nat. Resources 300 CTE Integrated Science	Nat. Resources 400 CTE Integrated English 12 Career & Financial Management
MATH	8th Grade Traditional Path	Algebra I	Geometry	Algebra II Business Applications	Business Applications Applied Statistical Reasoning
	8th Grade Accelerated Path	Geometry	Algebra II	Business Applications	Applied Statistical Reasoning
ENGLISH		English 9	English 10	English 11	CTE Integrated English 12
SOCIAL STUDIES		Human Society I	Human Society II AP World History	Civic Issues in US History SUPA American History AP US History	Active Citizenship SUPA Public Policy AP Government & Politics
SCIENCE	8th Grade Traditional Path	Life Science: Biology	Earth & Space Science	Chemistry Non-Regents Science Electives	Non-Regents Science Electives
	8th Grade Accelerated Path	Earth & Space Science	Chemistry	Physics SUPA Biology Non-Regents Science Electives	Non-Regents Science Electives SUPA/AP Science Course
PE/HEALTH		PE	PE Health	PE	PE
WORLD LANGUAGE		Level I Level II	Level II Level III	Level III Level IV	Level IV SUPA
LOCATION		Nottingham			
ART/MUSIC ELECTIVES		Studio in Art, Band, Orchestra, Art 2-D, AP Studio Art, Beginning Band, Music in Our Lives, Chorus, World Drumming, Art 3-D, Art History, Concert Choir			
ADDITIONAL ELECTIVES		SUPA Entrepreneurship, Computer Applications, Design & Drawing for Production, Personal Business Management, Sports Entertainment Marketing, Principles of Engineering			
CAREER PATHS		Environmentalism, Wildlife Biologist, Agriculturalist, Urban Planner			
COLLEGE & INDUSTRY RECOGNIZED CREDENTIALS		• OSHA 10 General Safety Certification • Up to 30 College Credits			



The Performing Arts program empowers students to explore careers in music, theater, dance, and technical production while developing essential skills in creativity, collaboration, and communication. Through hands-on training and performance opportunities, students gain experience that prepares them for roles such as actor, director, stage manager, sound technician, arts educator, and arts administrator. This pathway also builds a strong foundation for postsecondary study and entry into the entertainment industry or community arts organizations.

AREA OF STUDY		9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
MATH	8th Grade Traditional Path	Algebra I	Geometry	Algebra II Business Applications	Business Applications Applied Statistical Reasoning
	8th Grade Accelerated Path	Geometry	Algebra II	Business Applications	Applied Statistical Reasoning
ENGLISH		English 9	English 10	English 11	CTE Integrated English 12
SOCIAL STUDIES		Human Society I	Human Society II	Civic Issues in US History	Active Citizenship
SCIENCE	8th Grade Traditional Path	Life Science: Biology	Earth & Space Science	Chemistry	Non-Regents Science Electives
	8th Grade Accelerated Path	Earth & Space Science	Chemistry	Physics	Non-Regents Science Electives
PE/HEALTH		PE	PE Health	PE	PE
WORLD LANGUAGE		Level I Level II	Level II Level III	Level III Level IV	Level IV SUPA
LOCATION		STEAM			
ART/MUSIC ELECTIVES		Studio in Art, Band, Orchestra, Art 2-D, AP Studio Art, Beginning Band, Modern Band, Chorus, World Drumming, Art 3-D, Art History, Concert Choir			
ADDITIONAL ELECTIVES		Entrepreneurship, Computer Applications, Design & Drawing for Production, Personal Business Management, Sports Entertainment Marketing, Principles of Engineering			
CAREER PATHS		Actor (stage, film, TV), Dancer (concert, commercial, musical theatre), Singer or Vocal Performer, Musician or Instrumentalist, Voiceover Artist			
COLLEGE & INDUSTRY RECOGNIZED CREDENTIALS		Up to 30 College Credits			



Robotics and Automation

Do you like creative problem solving with technology? Are you intrigued by the future of artificial intelligence? Students will learn the fundamentals of robotic technologies, its currency in the job market, and its applicability to everyday life. Students will gain an understanding of how robotic technologies impact the environment, society, and the economy.

AREA OF STUDY		9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
CTE		Robotics 100	Robotics 200	Robotics 300 CTE Integrated Math	Robotics 400 CTE Integrated English 12 CTE Integrated Science Career & Financial Management
MATH	8th Grade Traditional Path	Algebra I	Geometry	Algebra II Business Applications	Business Applications Applied Statistical Reasoning
	8th Grade Accelerated Path	Geometry	Algebra II	Business Applications	Applied Statistical Reasoning
ENGLISH		English 9	English 10	English 11	CTE Integrated English 12
SOCIAL STUDIES		Human Society I	Human Society II	Civic Issues in US History	Active Citizenship
SCIENCE	8th Grade Traditional Path	Life Science: Biology	Earth & Space Science	Chemistry	Non-Regents Science Elective
	8th Grade Accelerated Path	Earth & Space Science	Chemistry	Physics	Non-Regents Science Elective
PE/HEALTH		PE	PE Health	PE	PE
WORLD LANGUAGE		Level I Level II	Level II Level III	Level III Level IV	Level IV SUPA
LOCATION		STEAM			
ART/MUSIC ELECTIVES		Studio in Art, Band, Orchestra, Art 2-D, AP Studio Art, Beginning Band, Music in Our Lives, Chorus, World Drumming, Art 3-D, Art History, Concert Choir			
ADDITIONAL ELECTIVES		Entrepreneurship, Computer Applications, Design & Drawing for Production, Personal Business Management, Sports Entertainment Marketing, Principles of Engineering			
CAREER PATHS		Electromechanical Engineer, Automation Technician, Robotics Engineer, Computer Scientist/Software, Engineer			
COLLEGE & INDUSTRY RECOGNIZED CREDENTIALS		- Tooling U/SME Certificate - Manufacturing Association - FANUC Robotics Level 1 - Rockwell Automation - Programmable Logic Controllers - SOLIDWORKS CAD - Python and C++ programming - OSHA General Safety Certification - Up to 30 College Credits			



Are you interested in a career making a difference in the lives of young people and working in an urban environment? Students in the program will learn about and practice the unique skills required to be a successful educator in a diverse urban environment. They will develop an understanding of teaching and learning through hands-on lessons, work-based experiences, and specialized coursework.

AREA OF STUDY		9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
CTE		UTP 100	UTP 200	UTP 300	UTP 400 CTE Integrated English 12 Career & Financial Management
MATH	8th Grade Traditional Path	Algebra I	Geometry	Algebra II Business Applications	Business Applications Applied Statistical Reasoning IB Math
	8th Grade Accelerated Path	Geometry	Algebra II	IB Math	Applied Statistical Reasoning
ENGLISH		English 9	English 10	English 11 IB English 11	CTE Integrated English 12
SOCIAL STUDIES		Human Society I	Human Society II	Civic Issues in US History IB History of the Americans I	Active Citizenship IB History of the Americans II
SCIENCE	8th Grade Traditional Path	Life Science: Biology	Earth & Space Science	Chemistry IB Science	Non-Regents Science Elective
	8th Grade Accelerated Path	Earth & Space Science	Chemistry	Physics IB Science	Non-Regents Science Elective
PE/HEALTH		PE	PE Health	PE	PE
WORLD LANGUAGE		Level I Level II	Level II Level III	Level III IB Spanish III Level IV	Level IV IB Spanish IV
LOCATION		Corcoran			
ART/MUSIC ELECTIVES		Studio in Art, Band, Orchestra, Art 2-D, AP Studio Art, Beginning Band, IB Theater, Music in Our Lives, Chorus, World Drumming, Art 3-D, Art History, Concert Choir, IB Art I & II			
ADDITIONAL ELECTIVES		IB Design, Computer Applications, Design & Drawing for Production, Personal Business Management, Sports Entertainment Marketing, Principles of Engineering			
CAREER PATHS		Classroom teacher (K-12), Teaching assistant (K-12), School Administrator, Coach			
COLLEGE & INDUSTRY RECOGNIZED CREDENTIALS		- NYS TA certification and enter the SCSD Career Ladder program, which will provide the structure and support to become a teacher at SCSD - Up to 30 College Credits			



Visual Arts

The Visual Arts program equips students with foundational and advanced skills in drawing, painting, digital media, photography, and design. Through hands-on projects and portfolio development, students prepare for careers in graphic design, illustration, animation, art education, and museum or gallery work. This pathway also fosters creative thinking and technical proficiency, opening doors to both college programs and industry opportunities in the creative sector.

AREA OF STUDY		9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
MATH	8th Grade Traditional Path	Algebra I	Geometry	Algebra II Business Applications	Business Applications Applied Statistical Reasoning
	8th Grade Accelerated Path	Geometry	Algebra II	Business Applications	Applied Statistical Reasoning
ENGLISH		English 9	English 10	English 11	CTE Integrated English 12
SOCIAL STUDIES		Human Society I	Human Society II	Civic Issues in US History	Active Citizenship
SCIENCE	8th Grade Traditional Path	Life Science: Biology	Earth & Space Science	Chemistry	Non-Regents Science Elective
	8th Grade Accelerated Path	Earth & Space Science	Chemistry	Physics	Non-Regents Science Elective
PE/HEALTH		PE	PE Health	PE	PE
WORLD LANGUAGE		Level I Level II	Level II Level III	Level III Level IV	Level IV SUPA
LOCATION		STEAM			
ART/MUSIC ELECTIVES		Studio in Art, Band, Orchestra, Art 2-D, AP Studio Art, Beginning Band, Modern Band , Chorus, World Drumming, Art 3-D, Art History, Concert Choir			
ADDITIONAL ELECTIVES		Entrepreneurship, Computer Applications, Design & Drawing for Production, Personal Business Management, Sports Entertainment Marketing, Principles of Engineering			
CAREER PATHS		Graphic Designer, Illustrator, Animator (2D/3D), Concept Artist (for games, film, or media), Fashion Designer, Interior Designer, Industrial/Product Designer			
COLLEGE & INDUSTRY RECOGNIZED CREDENTIALS		Up to 30 College Credits			



Do you like the idea of an active job working with your hands with opportunities to travel? Do you have an eye for detail? The program provides students with the skills of arc welding, resistance welding, brazing and soldering, as well as cutting, heat-treating and metallurgy. Students will also gain knowledge of electrical systems, power sources and different welding technologies, welding systems, print interpretation and measurement, as well as the use and interpretation of visual symbols related to welding.

AREA OF STUDY		9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
CTE		Welding 100	Welding 200	Welding 300 CTE Integrated Math	Welding 400 CTE Integrated English 12 Career & Financial Management
MATH	8th Grade Traditional Path	Algebra I	Geometry	Algebra II Business Applications	Business Applications Applied Statistical Reasoning IB Math
	8th Grade Accelerated Path	Geometry	Algebra II	IB Math	Applied Statistical Reasoning
ENGLISH		English 9	English 10	English 11 IB English 11	CTE Integrated English 12
SOCIAL STUDIES		Human Society I	Human Society II	Civic Issues in US History IB History of the Americans I	Active Citizenship IB History of the Americans II
SCIENCE	8th Grade Traditional Path	Life Science: Biology	Earth & Space Science	Chemistry IB Science	Non-Regents Science Elective
	8th Grade Accelerated Path	Earth & Space Science	Chemistry	Physics IB Science	Non-Regents Science Elective
PE/HEALTH		PE	PE Health	PE	PE
WORLD LANGUAGE		Level I Level II	Level II Level III	Level III IB Spanish III Level IV	Level IV IB Spanish IV
LOCATION		Corcoran			
ART/MUSIC ELECTIVES		Studio in Art, Band, Orchestra, Art 2-D, AP Studio Art, Beginning Band, IB Theater, Music in Our Lives, Chorus, World Drumming, Art 3-D, Art History, Concert Choir, IB Art I & II			
ADDITIONAL ELECTIVES		IB Design, Computer Applications, Design & Drawing for Production, Personal Business Management, Sports Entertainment Marketing, Principles of Engineering			
CAREER PATHS		Welder, Underwater Welder, Pipefitter, Millwright, Ironworker			
COLLEGE & INDUSTRY RECOGNIZED CREDENTIALS		- Tooling U/SME Certificate - Manufacturing Association - FANUC Robotics Level 1 - Rockwell Automation - Programmable Logic controllers - SOLIDWORKS CAD - Python and C++ programming - OSHA General Safety Certification - Up to 30 College Credits			



PTECH Computer Chip Technology & Production

Are you interested in how technology will shape the future? Are you skilled at troubleshooting electrical and mechanical issues? The program is orientated for students to learn monitoring, sustaining, and improving equipment. During hands-on projects, students will perform technical tests and experiments in the simulated wafer fabrication area and set-up and master the use of semiconductor processing equipment.

AREA OF STUDY		9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
CTE		CCTP 100	CCTP 200	CCTP 300 CTE Integrated Math	CCTP 400 CTE Integrated English 12 CTE Integrated Science Career & Financial Management
MATH	8th Grade Traditional Path	Algebra I	Geometry	Algebra II Business Applications	Business Applications Applied Statistical Reasoning
	8th Grade Accelerated Path	Geometry	Algebra II	Business Applications	Applied Statistical Reasoning
ENGLISH		English 9	English 10	English 11	CTE Integrated English 12
SOCIAL STUDIES		Human Society I	Human Society II	Civic Issues in US History	Active Citizenship
SCIENCE	8th Grade Traditional Path	Life Science: Biology	Earth & Space Science	Chemistry	Non-Regents Science Elective
	8th Grade Accelerated Path	Earth & Space Science	Chemistry	Physics	Non-Regents Science Elective
PE/HEALTH		PE	PE Health	PE	PE
WORLD LANGUAGE		Level I Level II	Level II Level III	Level III Level IV	Level IV SUPA
LOCATION		Corcoran			
ART/MUSIC ELECTIVES		Studio in Art, Band, Orchestra, Art 2-D, AP Studio Art, Beginning Band, Music in Our Lives, Chorus, World Drumming, Art 3-D, Art History, Concert Choir			
ADDITIONAL ELECTIVES		Entrepreneurship, Computer Applications, Design & Drawing for Production, Personal Business Management, Sports Entertainment Marketing, Principles of Engineering			
COLLEGE COURSES		ELM 101 - Tech Drawing Interpretation ELM 102 - Safety in Industry	ELM 104 - Industrial Electricity I ELM 106 - Intro to Industrial Tools MAT 103 - Technical Math Fundamentals	ELM 100 - Intro to Tech Problem Solving ELM 105 - Intro to Mechanisms ELM 107 - Intro to Fluid Power Fundamentals ELM 109 - Technical Program Fundamentals	ENG 103/104 - Critical Writing I & II MAT 108 - Intro to Statistical Process Control
CAREER PATHS		Semiconductor Manufacturing Technician, Fab Manufacturing Technician, Semiconductor Engineer, Test Engineer, Operations Manager			
COLLEGE & INDUSTRY RECOGNIZED CREDENTIALS		- OCC Electromechanical Technology Certificate - OSHA 10 General Safety Certificate - Up to 30 College credits			

PTECH Computer Information Systems



Are you the go to person among your friends and family when their computer gives them a hard time? Do you enjoy using technology and learning how it works? This program provides students with the opportunity to learn the fundamentals of information processing, networks, hardware, software applications, and web publishing toward the goal of earning college credits and an Associate's degree in Computer Information Systems from Onondaga Community College.

AREA OF STUDY		9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
CTE		CIS 100	CIS 200	CIS 300 CTE Integrated Science	CIS 400 CTE Integrated English 12 Career & Financial Management
MATH	8th Grade Traditional Path	Algebra I	Geometry	Algebra II Business Applications	Business Applications Applied Statistical Reasoning
	8th Grade Accelerated Path	Geometry	Algebra II	Business Applications	Applied Statistical Reasoning
ENGLISH		English 9	English 10	English 11	CTE Integrated English 12
SOCIAL STUDIES		Human Society I	Human Society II AP World History	Civic Issues in US History SUPA American History AP US History	Active Citizenship SUPA Public Policy AP Government & Politics
SCIENCE	8th Grade Traditional Path	Life Science: Biology	Earth & Space Science	Chemistry Non-Regents Science Electives	Non-Regents Science Electives
	8th Grade Accelerated Path	Earth & Space Science	Chemistry	Physics SUPA Biology Non-Regents Science Electives	Non-Regents Science Electives SUPA/AP Science Course
PE/HEALTH		PE	PE & Health	PE	PE
WORLD LANGUAGE		Level I Level II	Level II Level III	Level III Level IV	Level IV SUPA
LOCATION		PSLA @ Fowler			
ART/MUSIC ELECTIVES		Studio in Art, Band, Orchestra, Art 2-D, AP Studio Art, Beginning Band, Music in Our Lives, Chorus, World Drumming, Art 3-D, Art History, Concert Choir			
ADDITIONAL ELECTIVES		SUPA Biology, Computer Applications, Design & Drawing for Production, Personal Business Management, Sports Entertainment Marketing, Principles of Engineering			
COLLEGE COURSES			CIS 100 - Info & Comp Literacy	CIS 125 - Fundamentals of Computer Info Systems CIS 130 - Foundations of the Internet	ENG 103/104 - Critical Writing I & II MAT 114 - Intermediate Algebra MAT 118 - Exploring Statistics MAT 143 - Precalculus MAT 151 - Statistics I CFS 140 - Computer Forensics & Security CIS 170 - Network Fundamentals
CAREER PATHS		Programmer, Web Site Managers/Designers, Tech Support/Help Desk, Network Specialist			
COLLEGE & INDUSTRY RECOGNIZED CREDENTIALS		- CompTIA A+ Certification - Computer Information Systems A. A. S., Onondaga Community College			



Do you like taking things apart, studying them, and putting them back together for fun? Do you like to tinker with things? Students will learn fundamental concepts about mechanical systems and electrical circuits, and the operation of mechanical and electronic equipment. Students will gain hands-on experience in using measuring tools, simple machines, electronic tools, and computer software to analyze and design electrical systems.

AREA OF STUDY		9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
CTE		Engineering Design 100	Engineering Design 200	Electrical Technology 300 CTE Integrated Science	Electrical Technology 400 CTE Integrated Math Career & Financial Management
MATH	8th Grade Traditional Path	Algebra I	Geometry	Algebra II Business Applications	Business Applications Applied Statistical Reasoning
	8th Grade Accelerated Path	Geometry	Algebra II	Business Applications	Applied Statistical Reasoning
ENGLISH		English 9	English 10	English 11	English 12
SOCIAL STUDIES		Human Society I	Human Society II AP World History	Civic Issues in US History SUPA American History AP US History	Active Citizenship SUPA Public Policy AP Government & Politics
SCIENCE	8th Grade Traditional Path	Life Science: Biology	Earth & Space Science	Chemistry Non-Regents Science Elective	Non-Regents Science Elective
	8th Grade Accelerated Path	Earth & Space Science	Chemistry SUPA/AP/ESF Science Course	Physics SUPA/AP/ESF Science Course	Non-Regents Science Elective SUPA/AP/ESF Science Course
PE/HEALTH		PE	PE Health	PE	PE
WORLD LANGUAGE		Level I Level II	Level II Level III	Level III Level IV	Level IV SUPA
LOCATION		ITC			
ART/MUSIC ELECTIVES		Studio in Art, Band, Music in Our Lives			
ADDITIONAL ELECTIVES		Computer Applications, Design & Drawing for Production, Sports Entertainment Marketing, Principles of Engineering			
COLLEGE COURSES			MET 150 - Intro to Engineering	ELT 171 - Digital Logic Design CIS 100 - Info & Comp Literacy General Elective Course	ELT 141 - Electrical Circuits I ENG 103/104 - Critical Writing I & II MAT 119/120 - Math for Tech Discp <u>OR</u> MAT 143/161 - Pre-Calc & Calc
CAREER PATHS		Electronics Assembler, Electronics Engineer, Semiconductor Processing Technician, Test Technician			
COLLEGE & INDUSTRY RECOGNIZED CREDENTIALS		- Electrical Technology A.A.S, SUNY Onondaga Community College - OSHA 10 General Safety Certificate - Up to 30 College credits			



Do you have an interest in science or medicine? Are you the kind of person who just wants to help people? The Health Professions Program provides a preparatory pathway for students with a desire to enter a variety of health careers, including nursing, physical therapy, radiation therapy, respiratory therapy, physician's assistant, and many others. The learning environment is designed to prepare students for the rigors of the dynamic health care profession.

AREA OF STUDY		9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
CTE		HPP 100	HPP 200	HPP 300 CTE Integrated Science	HPP 400 CTE Integrated English 12 Career & Financial Management
MATH	8th Grade Traditional Path	Algebra I	Geometry	Algebra II Business Applications	Business Applications Applied Statistical Reasoning
	8th Grade Accelerated Path	Geometry	Algebra II	Business Applications	Applied Statistical Reasoning
ENGLISH		English 9	English 10	English 11	CTE Integrated English 12
SOCIAL STUDIES		Human Society I	Human Society II AP World History	Civic Issues in US History SUPA American History AP US History	Active Citizenship SUPA Public Policy AP Government & Politics
SCIENCE	8th Grade Traditional Path	Life Science: Biology	Earth & Space Science	Chemistry Non-Regents Science Electives	Non-Regents Science Electives
	8th Grade Accelerated Path	Earth & Space Science	Chemistry	Physics SUPA Biology Non-Regents Science Electives	Non-Regents Science Electives SUPA/AP Science Course
PE/HEALTH		PE	PE Health	PE	PE
WORLD LANGUAGE		Level I Level II	Level II Level III	Level III Level IV	Level IV SUPA
LOCATION		Henninger			
ART/MUSIC ELECTIVES		Studio in Art, Band, Orchestra, Art 2-D, AP Studio Art, Beginning Band, Music in Our Lives, Chorus, World Drumming, Art 3-D, Art History, Concert Choir			
ADDITIONAL ELECTIVES		SUPA Biology, Computer Applications, Design & Drawing for Production, Personal Business Management, Sports Entertainment Marketing, Principles of Engineering			
COLLEGE COURSES			HIT 120 - Medical Terminology	COM 100 - Communication HPR 101 - Intro to Health Professions	BIO 171/172 - Anatomy and Physiology I & II ENG 103/104 - Critical Writing I & II Sociology 103 - Intro to Sociology
CAREER PATHS		Nursing, Physician, Physician Assistant, Physical Therapist			
COLLEGE & INDUSTRY RECOGNIZED CREDENTIALS		- Health Sciences A.S., Onondaga Community College - First Aid CPR (rescue level) - First Aid CPE (health provider) - Up to 30 College Credits			



PTECH Laboratory Science

Are you a caring and compassionate person who loves to help others? Do you like doing different things every day? Are you interested in science and medicine? This program provides an opportunity for the student to obtain knowledge and skills in the classroom setting and then apply them in real life situations at local medical facilities, including job shadowing and internships. Instruction includes preparing patients for examination and treatment, routine laboratory procedures and diagnostic testing.

AREA OF STUDY		9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
CTE		Lab. Science 100	Lab. Science 200	Lab. Science 300 CTE Integrated Science	Lab. Science 400 CTE Integrated English 12 Career & Financial Management
MATH	8th Grade Traditional Path	Algebra I	Geometry	Algebra II Business Applications	Business Applications Applied Statistical Reasoning
	8th Grade Accelerated Path	Geometry	Algebra II	Business Applications	Applied Statistical Reasoning
ENGLISH		English 9	English 10	English 11	CTE Integrated English 12
SOCIAL STUDIES		Human Society I	Human Society II AP World History	Civic Issues in US History SUPA American History AP US History	Active Citizenship SUPA Public Policy AP Government & Politics
SCIENCE	8th Grade Traditional Path	Life Science: Biology	Earth & Space Science	Chemistry Non-Regents Science Electives	Non-Regents Science Electives
	8th Grade Accelerated Path	Earth & Space Science	Chemistry	Physics SUPA Biology Non-Regents Science Electives	Non-Regents Science Electives SUPA/AP Science Course
PE/HEALTH		PE	PE Health	PE	PE
WORLD LANGUAGE		Level I Level II	Level II Level III	Level III Level IV	Level IV SUPA
LOCATION		Henninger			
ART/MUSIC ELECTIVES		Studio in Art, Band, Orchestra, Art 2-D, AP Studio Art, Beginning Band, Music in Our Lives, Chorus, World Drumming, Art 3-D, Art History, Concert Choir			
ADDITIONAL ELECTIVES		SUPA Biology, Computer Applications, Design & Drawing for Production, Personal Business Management, Sports Entertainment Marketing, Principles of Engineering			
COLLEGE COURSES			CLT 110 - Intro to Clinical Lab Technology	SOC 103 - Intro Sociology MAT 118 - Exploring Stats	ENG 103/104 - Critical Writing I and II BIO 171/172 - Anatomy and Physiology I and II
CAREER PATHS		Medical Laboratory Technician, Pharmaceutical Laboratory Technician, Phlebotomist, Research Laboratory Technician			
COLLEGE & INDUSTRY RECOGNIZED CREDENTIALS		- Clinical Laboratory Technician A.A.S., SUNY Broome Community College - Up to 30 College credits			



Are you interested in hands-on experience with industry standard tools and machinery? Students will learn fundamental concepts about mechanical systems and electrical circuits, and the operation of mechanical and electronic equipment. Students will explore and utilize the latest technological advancements in computer drafting and computer-aided design.

AREA OF STUDY		9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
CTE		Engineering Design 100	Engineering Design 200	Mechanical Technology 300 CTE Integrated Science	Mechanical Technology 400 CTE Integrated Math Career & Financial Management
MATH	8th Grade Traditional Path	Algebra I	Geometry	Algebra II Business Applications	Business Applications Applied Statistical Reasoning
	8th Grade Accelerated Path	Geometry	Algebra II	Business Applications	Applied Statistical Reasoning
ENGLISH		English 9	English 10	English 11	English 12
SOCIAL STUDIES		Human Society I	Human Society II AP World History	Civic Issues in US History SUPA American History AP US History	Active Citizenship SUPA Public Policy AP Government & Politics
SCIENCE	8th Grade Traditional Path	Life Science: Biology	Earth & Space Science	Chemistry Non-Regents Science Elective	Non-Regents Science Elective
	8th Grade Accelerated Path	Earth & Space Science	Chemistry SUPA/AP/ESF Science Course	Physics SUPA/AP/ESF Science Course	Non-Regents Science Elective SUPA/AP/ESF Science Course
PE/HEALTH		PE	PE Health	PE	PE
WORLD LANGUAGE		Level I Level II	Level II Level III	Level III Level IV	Level IV SUPA
LOCATION		ITC			
ART/MUSIC ELECTIVES		Studio in Art, Band, Music in Our Lives			
ADDITIONAL ELECTIVES		Computer Applications, Design & Drawing for Production, Sports Entertainment Marketing, Principles of Engineering			
COLLEGE COURSES			MET 150 - Intro to Engineering	MET 151 - Machine Tools I MET 161 - Engineering Draw I CIS 100 - Info & Comp Literacy	MET 152 - Machine Tools II ENG 103/104 - Critical Writing I and II MAT 119/120 - Math for Tech Discp OR MAT 143/161 - Pre-Calc & Calc
CAREER PATHS		CNC Operator, Drafter/Designer, Machinists, Mechanical Technician			
COLLEGE & INDUSTRY RECOGNIZED CREDENTIALS		- Electrical Technology A.A.S, SUNY Onondaga Community College - OSHA 10 Safety Certification - Snap On Tool Multimeter certification - Up to 30 College Credits			



PTECH Remotely Piloted Aircraft Systems

Do you like making things work or designing new things? Do you like math and science? Does being on the cutting edge of research and design sound exciting? Students will complete hands-on, real-world projects, develop critical thinking, analysis and problem-solving skills. This course will contribute to the preparation of students for post-secondary education and a wide range of careers using Remote Piloted Aerial Systems.

AREA OF STUDY		9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
CTE		RPAS 100	RPAS 200	RPAS 300 CTE Integrated Science	RPAS 400 CTE Integrated English 12 Career & Financial Management
MATH	8th Grade Traditional Path	Algebra I	Geometry	Algebra II Business Applications	Business Applications Applied Statistical Reasoning
	8th Grade Accelerated Path	Geometry	Algebra II	Business Applications	Applied Statistical Reasoning
ENGLISH		English 9	English 10	English 11	CTE Integrated English 12
SOCIAL STUDIES		Human Society I	Human Society II AP World History	Civic Issues in US History SUPA American History AP US History	Active Citizenship SUPA Public Policy AP Government & Politics
SCIENCE	8th Grade Traditional Path	Life Science: Biology	Earth & Space Science	Chemistry Non-Regents Science Electives	Non-Regents Science Electives
	8th Grade Accelerated Path	Earth & Space Science	Chemistry	Physics SUPA Biology Non-Regents Science Electives	Non-Regents Science Electives SUPA/AP Science Course
PE/HEALTH		PE	PE Health	PE	PE
WORLD LANGUAGE		Level I Level II	Level II Level III	Level III Level IV	Level IV SUPA
LOCATION		PSLA @ Fowler			
ART/MUSIC ELECTIVES		Studio in Art, Band, Orchestra, Art 2-D, AP Studio Art, Beginning Band, Music in Our Lives, Chorus, World Drumming, Art 3-D, Art History, Concert Choir			
ADDITIONAL ELECTIVES		SUPA Biology, Computer Applications, Design & Drawing for Production, Personal Business Management, Sports Entertainment Marketing, Principles of Engineering			
COLLEGE COURSES			UA 120 - Operational and Industrial Operations	UA 215 - Mission Planning CT 265 - Geographic and Information Systems CT 267 - Advanced Geographic Systems	ENG 103/104 - Critical Writing I and II MAT 118 - Intro to Statistics GE 101 - World Geography SOC 103 - Intro to Sociology CT 266 - Geographic Systems UA 102 - Remote Sensing
CAREER PATHS		Drone Pilot, Insurance Inspector, Computer Scientist, Film Maker/Photojournalist			
COLLEGE & INDUSTRY RECOGNIZED CREDENTIALS		- Federal Aviation Administration (FAA) Remote Pilot's License - Federal Emergency Management Agency (FEMA) Certificates - Remotely Piloted Aircraft Systems A.A.S., Mohawk Valley Community College - TRUST Certification			

Through school choice programs and elective choices, students have the opportunity to design a course of study that best prepares them for different goals.



CHOICE PROGRAMS

BIOTECHNOLOGY • IB PROGRAMME • NNDCC

At ITC, the Biotechnology program immerses students in STEM learning from 9th grade, with hands-on lab experience and up to 24 transferable college credits. Meanwhile, the Navy National Defense Cadet Corps at PSLA at Fowler builds leadership, discipline, and civic responsibility while introducing students to military and public service careers.



Biotechnology

📍 **Location: ITC**

Whether you're interested in medicine, biotechnology, nursing or any of the hundreds of other career fields in the areas of science or math, the Biotechnology Program at ITC may be for you!

In this STEM pathway, students will be exposed to several different levels of science and math courses. Students will begin earning college credits as early as their 9th grade year at ITC. As seniors, students will be on the OCC campus taking college classes in the morning and returning to ITC in the afternoon to finish their high school requirements.

IB Programme Location: Corcoran

What is it? Corcoran High School is an IBO Continuum World School. Corcoran High School is proud to be an **International Baccalaureate** (IB) Continuum World School, offering all three IB programmes: the Middle Years Programme (MYP), the Diploma Programme (DP), and the Career Related Programme (CP). Together, these programmes provide students with a continuous, cohesive learning journey from 9th grade through graduation.



All students entering 9th grade and continuing into 10th grade participate in the **IB Middle Years Programme**. This includes instruction within the IB MYP Framework, with a focus on community service and completion of the MYP Personal Project.



The **IB Career-Related Programme** offers career training to Welding, Urban Teacher Education Program, HVAC, and Pre-Apprenticeship students, while providing the opportunity to take DP courses. Exploration of IB subjects related to your CTE Pathway.



The **IB Diploma Programme** is a two-year, balanced and academically challenging curriculum framework offered in conjunction with the Regents Diploma, spanning the 11th and 12th grades. It prepares students for success in higher education and is internationally recognized as representing one of the highest standards in university preparatory education! While students are encouraged to work toward achieving an IB Diploma, opportunities are provided for students to earn course certificates by taking one or more IB classes along with the Regents curriculum and still benefit from the rigorous curriculum and college recognition.



Navy National Defense Cadet Corps (NNDCC)

Location: PSLA at Fowler

The mission of **NNDCC** is to instill in students the values of citizenship, service to the United States, personal responsibility and a sense of accomplishment. Some of our students are interested in serving our country in the U.S. Navy or attending the Naval Academy, but our program can benefit any student.

As a NNDCC cadet at PSLA at Fowler, students can participate in their education and learn to be better citizens. The program provides them with the tools and skills needed to succeed in high school and, more importantly, help them be successful in life.



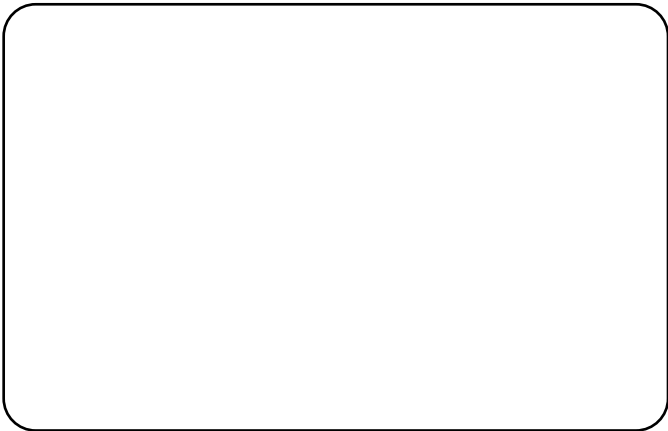
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