

***2024-2025***



**College & Career Pathways**

**<https://www.parmacityschools.org/careertech>**

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Education Parma City Schools**

**Twitter@PCSDCTE**

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## Health Science

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***The Parma City School District does not discriminate on the basis of race, color, national origin, sex, disability, or age in it's programs and activities.***

## Welcome to the Career & Technical Education Department of the Parma City Schools

According to the United States Department of Education the educational goal for our students is to be a world-class education system providing high-quality job-training opportunities for the purpose of reducing skills shortages, spurring business growth, encouraging new investment and hiring, sparking innovation, and promoting continued economic growth. These educational goals are central to rebuilding the United States economy and securing a brighter future for the nation. Career and Technical Education (CTE) plays a critical part in accomplishing this goal.

Research from the Fordham Institute indicates that students in CTE programs are more likely to graduate and continue their education beyond high school than their peers in traditional academic settings. “Students with greater exposure to CTE are more likely to graduate from high school, enroll in a two-year college, be employed, and earn higher wages.” A key component to the success of CTE programs is that students can find connections between their academic coursework and their career goals (Dougherty, 2016) With over 60 years of Career and Technical Education programming (formerly Vocational Training) the Parma City School District’s Career and Technical Education Department is providing the highest level of programming to students with a focus on “college and/or career readiness”. There are over 25 semester-long pathway Career and Technical Education elective courses in Family Consumer Science, Industrial Technology, Pre-engineering, Computers, and Business available to students beginning in 8th grade.

The Parma City School District offers 17 career center programs of study at the high school level. Programs offer students the opportunity to receive industry certifications, college credits, leadership competitions, and work-based learning such as job placements, school based businesses, entrepreneurship, career speakers, field trips, and simulated work environment.

The Career and Technical Education Program in collaboration with the special education department provide training opportunities for students with disabilities. Students have the opportunity to enroll in Job Training and Community Based Experiences.

Provided below is the most recent data for the Career and Technical Education Department for the Parma City School District (as of August 1, 2024).

**Career and Technical Education Data**  
**Report Card**  
(as of September 2024)

***Achievement: 4 STAR Rating (88.3%)***

The Achievement component represents the number of students who pass the state's tests and the technical assessments that measure the skills and knowledge learned in a student's career-technical program.

***Career and Post- Secondary Readiness: 5 STAR Rating 94.4%***

Whether training in a technical field or preparing for work or college, the Career & Post-Secondary Readiness component looks at how well prepared Ohio's students are for all future opportunities.

***Graduation Rate: 4 STAR Rating (4 year 92.1% and 5 year 95.6%)***

The Graduation Rate component looks at the percent of students who are successfully finishing high school with a diploma in four or five years

***Post-Program Outcomes: 5 STAR Rating (96.8%)***

Post-Program Placement measures the proportion of students who are employed, in an apprenticeship, join the military, or are enrolled in postsecondary education or advanced training in the six months after leaving school. Industry credentials measures the proportion of students earning industry credentials or certificates before they leave high school, or in the first six months after leaving.

***OVERALL 5 STAR RATING!***

**CAREER & TECHNICAL EDUCATION**  
**In Person Open Houses**  
**2024-2025**

**In-Person Open House Dates:**  
**10th and 11th graders 5:30p.m.-7:00p.m.**  
Normandy – Thursday, November 7, 2024  
Valley Forge – Thursday, November 14, 2024

**APPLICATIONS ARE DUE**  
**Friday, JANUARY 10, 2025**

Selection criteria if a program is over-subscribed;

1. Students will be selected based upon attendance if program is oversubscribed
2. Students attending PCSD high schools that have turned in application by the deadline will be registered first.
3. Students attending member charter schools and or online schools that have turned in application by the deadline will be registered second.
4. Students that turn applications in after the deadline, regardless of the school attending, will be placed on a wait list if the program is already full.
5. Students in grade 9 seeking early CTE programming will be placed last.

The Parma City School District does not discriminate on the basis of race, color, national origin, sexual orientation, gender identity, disability, or age in its programs and activities.

## College Credits

All Career and Technical Education programs (excluding job training programs have articulation agreements where students can receive college credits by meeting specific requirements. Agreement information will be provided by course instructors. Articulation is obtained via Tri-C Tech Prep (<https://www.tri-c.edu/get-started/early-college/tech-prep/index.html>), the Ohio Board of Regents ([www.ohiohighered.org](http://www.ohiohighered.org)), and additional institutions. Please note that articulation is subject to change based upon the institution and legislative guidelines. College credits articulation can be viewed on the CTE website at: <https://www.parmacityschools.org/careertech>, go to college credit.

## Certifications

All programs provide students with the opportunity to take certification exams. Please refer to each program for further information. For a complete listing you can visit

<https://www.parmacityschools.org/careertech>

## Work Based Learning

All programs provide students with the opportunity for work - based learning either in the community or in a classroom setting.

## Transportation

Complimentary shuttle service is provided between the two high school buildings; students may apply to any program at any PCSD high school.

## Graduation Pathway

Graduation pathway requirement 2023 and beyond:

For up to date graduation requirements please refer to information provided on the Ohio Department of Education website.

<http://education.ohio.gov/Topics/Ohio-s-Graduation-Requirements>

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## Services Open to the Community

Networking and Advanced Computers — Normandy High School

**Services Offered:** Senior Tech Support and PC Repair

**Open:** Specific Days will be promoted to the community, contact instructor to learn more about the community tech support days.

**Instructr:** Mr. Jesse Bach

**Contact Information:** [bachj@parmacityschools.org](mailto:bachj@parmacityschools.org)

## Services Open to the Community-Continued

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### Auto Collision — Normandy High School

**Services Offered:** Minor collision repair and paint touch-up

**Open:** 2/3/2025 - 5/30/2025

Contact instructor for an appointment

**Instructor:** Mr. Lonnie Higey

**Contact Information:** [higeyl@parmacityschools.org](mailto:higeyl@parmacityschools.org) 440-885-8680

### Carpentry — Normandy High School

**Services Offered:** Student created products / contact instructor.

**Open:** 2/3/2025-5/30/2025

Contact instructor for an appointment

**Instructor:** Mr. Matt Hammon

**Contact Information:** [hammonm@parmacityschools.org](mailto:hammonm@parmacityschools.org)

### Cosmetology — Normandy High School

**Services Offered:** Haircut • Shampoo • Blow Dry • Set • Comb Out • Braids • Updo • Perm • Hair Coloring • Highlights • Relaxer • Manicure • Eyebrow Arch/Wax

**Open:** 9/23/2024 to 5/16/2025 Wednesday, Thursday, & Fridays. Appointment REQUIRED. **Instructors:** Mrs. Lehky, Mrs. Rose, Ms. Patty and Mrs. Andexler

**Contact Information:** [lehkyc@parmacityschools.org](mailto:lehkyc@parmacityschools.org) 440-885-8394

### Dental Technology — Normandy High School

**Services Offered:** Teeth Whitening Services

**Open:** 10/7/2024 - 4/18/2025

Contact instructor for an appointment

**Instructor:** Ms. Sara Allen **Contact Information:** [allensa@parmacityschools.org](mailto:allensa@parmacityschools.org).

### Sword and Shield Restaurant — Normandy High School

**Services Offered:** The restaurant features a full menu with specials. Party trays and food items are available to order (orders must be placed eight days in advance).

**Open:** 10/10/23 - 4/21/24 on Thurs., and Fri. 10:40 am to 1:10 pm

Enter through main school doors; Photo ID required

**Instructor:** Mr. Iann Johnson

**Contact Information:** [johnsoni@parmacityschools.org](mailto:johnsoni@parmacityschools.org) 440-885-8385

### Welding — Valley Forge High School

**Services Offered:** Student created products.

**Open:** Contact teacher for appointment

**Instructor:** Mr. Pat Connelly

**Contact Information:** [connellyp@parmacityschools.org](mailto:connellyp@parmacityschools.org)



## Leadership Development

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### Business Professionals of America (BPA)

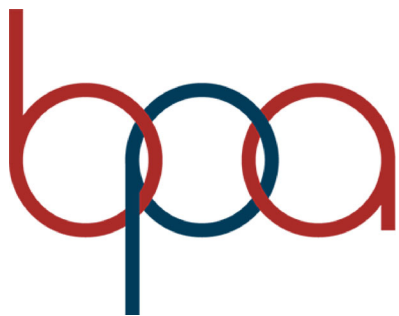
Business Professionals of America is a youth organization that helps students develop leadership abilities and promotes interest in business skill occupations. The club, through its annual Workplace Skills Assessment Program, strongly emphasizes high-level competency in business skills and pride in working toward successful business employment. Each program belonging to Business Professionals of America holds elections of class officers, plans fundraising events, participates in skill competitions, works on service projects and plans career-related activities. Membership into BPA is offered to students in **Networking and Advanced Computers** and **Business Management I & II**.

### DECA — An Association of Marketing Students

DECA prepares emerging leaders and entrepreneurs for careers in marketing, finance, hospitality and management in high schools and colleges around the globe. DECA is the youth organization for students enrolled in **Cooperative Marketing Management**.

### Family, Career and Community Leaders of America (FCCLA)

Family, Career and Community Leaders of America helps young people assume roles in society through family and consumer science education in areas of personal growth, family life, preparation for jobs and careers, and community involvement. Activities include participating in local, state and national competitions, community service projects and social events. Students enrolled in the **Culinary Arts** program are eligible for membership.





## Leadership Development - Continued

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### Health Occupations Students of America (HOSA)

HOSA provides a unique program of leadership development, motivation and recognition for high school and college students enrolled in health science technology programs. HOSA helps students make informed career choices; develops student leadership abilities through a program of motivation, awareness, competition and recognition; encourages high ethical standards; fosters understanding of current health care and environmental issues, and more. Students in the **Dental Technology, Medical Health Professions & Biotechnology** programs are eligible for membership.

### SkillsUSA

SkillsUSA helps students explore occupations through skills competitions and visits to industries, while helping them understand the responsibilities of skilled workers. SkillsUSA promotes solid trade ethics and safety standards while fostering understanding of labor and management. Students in the following programs are eligible for membership: **Automotive Service Technology, Auto Collision Technology, Carpentry, Digital Media & Creative Arts, PLTW, and Visual Communications.**

### Future Educators of America (FEA)

Future Educators Association (FEA) Ohio is a nonprofit, dynamic statewide organization for middle and high school students interested in education-related careers. FEA Ohio was established in 1991 at the Department of Education with Phi Delta Kappa International, which sponsors the national Future Educators Association® (FEA) program. FEA is a federally recognized Career and Technical Student Organization (CTSO). Also, as the co-curricular component of state-recognized Career and Technical Education (CTE) programs of study, FEA enhances the classroom experience for students.



## Naviance For Students

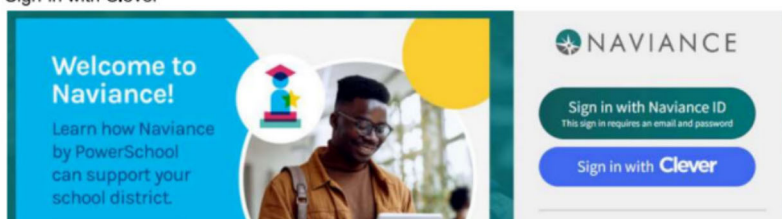
Naviance is a comprehensive personalized planning for postsecondary success website that students can use for college, career, and scholarship searches. Naviance is available to students in grades 9 to 12 at Valley Forge High School and Normandy High School.

Naviance Student allows students to:

- Get involved in the planning and advising process – Build a resume, complete online surveys, and manage timelines and deadlines for making decisions about colleges and careers
- Research colleges – Compare GPA, standardized test scores, and other statistics to actual historical data from our school for students who have applied and been admitted in the past
- Research careers – Research hundreds of careers and career clusters, and take career assessments
- Create plans for the future – Create goals and to-dos, and complete tasks assigned by the school to better prepare your student for future college and career goals.

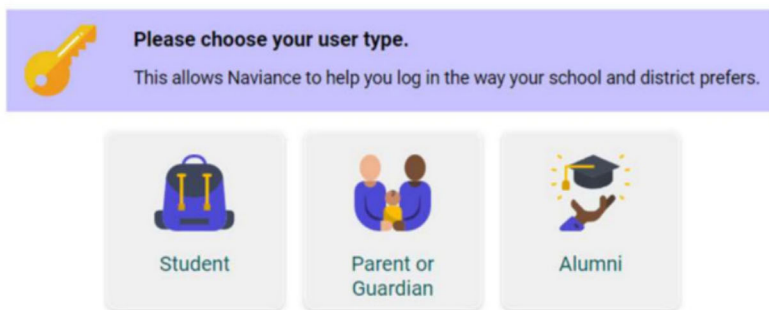
## Naviance Student Log-In

1. Use your district issued chrome book
2. <https://id.naviance.com/>
3. Sign-in with Clever



## Naviance Parent Log-In

1. If you are new to Naviance and do not have a Parent Account, please contact any of the following staff members to obtain a registration code
  - a. Bridget Plummer [plummerb@parmacityschools.org](mailto:plummerb@parmacityschools.org)
  - b. Chuck Caldwell [caldwellc@parmacityschools.org](mailto:caldwellc@parmacityschools.org)
2. <https://id.naviance.com/>  
Select I'm new and need to register!



[I'm new and need to register!](#)

Enter provided registration code and click register

## Arts & Communication

# Digital Media & Creative Arts



Digital Media & Creative Arts is a two year, three period course that allows students to develop audio and video production skills. Students in the first year of the program learn the basics of camera operation, video and audio editing, lighting, multi-camera and single camera production, and the basics of news and feature story construction. The second year of the program focuses on developing these skills further through the production of segments and programs that air on the school district's cable channel.



### Program Information:

Credits: Junior year – 3  
Senior year – 3

Location: Normandy High School

### Competitions:

- SkillsUSA: Regional and State Competition
- NATAS Regional Student Television Awards

### College Credit:

\*Available college credit awarded upon meeting articulation requirements\*

### Community Service:

- Filming football/basketball games for Cox Channel 74 and AT&T U verse Channel 99
- Projects for various school district organizations

### Industry Credentials:

\* Available through passing exam/s  
Adobe Premiere Pro Certified Professional  
Adobe After Effects Certified Professional  
Adobe Photoshop Certified Professional

### Technology Used:

- HD Studio and Field Cameras
- Video Editing with iMacs: Final Cut Pro and PC: Avid Media Composer
- Audio editing with Adobe Audition, Soundtrack Pro, and Avid Pro Tools

### Teacher Contact Info:

Normandy High School:

**David Droles:** 440-885-8382

[droesd@parmacityschools.org](mailto:droesd@parmacityschools.org)

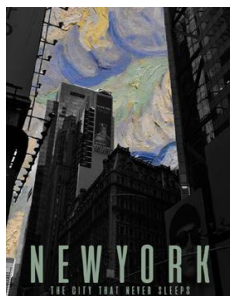
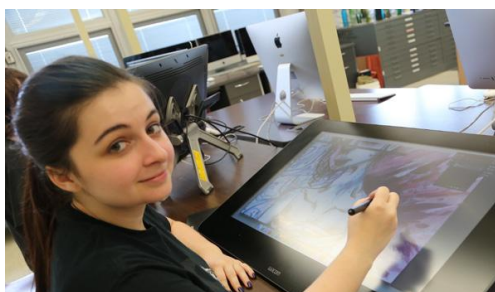


## Arts & Communications

# Visual Communications



Students learn basic art skills, principles of design, and how to produce attractive pieces for print and the internet. The Adobe Creative Suite applications are used regularly in combining traditional art techniques with digital outcomes. Students will complete competitive portfolios for both college and employment.



### Program Information:

Credits: Junior year – 3  
Senior year – 3

Location: Valley Forge High School

### Certifications:

- \* Available through passing exam/s
- Adobe Photoshop Certified Professional
- Adobe Illustrator Certified Professional
- Adobe InDesign Certified Professional

### College Credit:

\*Available college credit awarded upon meeting articulation requirements\*

### Equipment Used:

- Macintosh computers
- Digital cameras
- Portable background/lighting kit
- Large output printers
- Digitizing tablet
- Color laser printer
- Scanners

### Community Service:

- Design work; district, community non-profits

### Competitions:

- SkillsUSA

### Skills Obtained:

- Drawing
- Digital photography
- Multimedia
- Computer graphics
- Layout design
- Advertising & marketing
- Web page design
- Interactive media
- Portfolio assessment
- Desktop publishing
- Image manipulation
- Art appreciation & critique
- Digital output
- Visual communications
- Color theory & management
- Product packaging
- Social media

### Teacher Contact Info:

Valley Forge High School:

**Kim Weber:** 440-885-8435  
weberki@parmacityschools.org





**Junior Year:** Business Management I prepares students to pursue a future in the business world. Students are trained in careers which facilitate business operations through a variety of management, entrepreneurial, administrative and financial duties. Instruction is given in computers, office management, information and communication management, project tracking, and Microsoft Office Word, Excel, PowerPoint, Outlook and Access. MOS certification in Word & PowerPoint is the goal. All students participate in leadership and competitive events at the regional and state level through Business Professionals of America.

**Senior Year:** During the senior year of this course, students will continue training in either business administrative services or financial services. Students will have the choice to choose administrative or accounting. Students that choose the administrative pathway will expand their Microsoft training, study human resources, and office management. Students who choose the financial pathway will study financial, payroll and managerial accounting. Students will develop knowledge and skills in financial analysis, financial reporting, and corporate investments. All students participate in leadership and competitive events at the regional and state level through Business Professionals of America. MOS certification in Excel & Outlook is the goal. College credits available if student meets criteria.

#### Program Information:

Credits: Junior year – 3  
Senior year – 3

Location: Valley Forge High School

#### College Credit:

\*Available college credit awarded upon meeting articulation requirements\*

#### Certifications:

\* Available through passing exam/s

Microsoft Office Specialist Word  
(3 points)

Microsoft Office Specialist Excel  
(3 points)

Microsoft Office Specialist PowerPoint  
(3 points)

Microsoft Office Specialist Outlook  
(3 points)

Microsoft Office Specialist Expert Excel

Microsoft Office Access (3 points)

Microsoft Office Specialist Expert Word  
(3 points)

National Retail Federation- Rise Up Retail  
(6 points)

National Retail Federation- Rise Up  
Customer Service Retail

(6 points)

#### Student Organizations:

- Junior Achievement
- Business Professionals of America

#### Student Competitions:

Business Professionals of America

#### Teacher Contact Info:

Valley Forge High School:

**MaryEllen Swinger:**

swingerm@parmacityschools.org

# Construction Technologies

## Carpentry



The Carpentry program covers aspects of basic residential constructions. Beginning level students will learn to use hand-tools and both portable and stationary power tools. Students will work on the framing of walls, floors and roofs and receive experience working with siding, roofing, drywall, doors, window and interior trim. Emphasis will be placed on reading blueprints as students work together to construct a full-size house in the shop. Estimation and related math skills are needed. The carpentry facility is accredited by the National Center for Construction Education and Research.

### Program Information:

Credits: Junior year – 3  
Senior year – 3

Location: Normandy High School

### College Credit:

\*Available college credit awarded upon meeting articulation requirements\*

### Certifications:

\* Available through passing exam/s

Career Connections Level I (3 points)

Career Connections Level II (3 points)

Career Connections Level III (3 points)

30-hours OSHA (1 point)

### Competitions:

- SkillsUSA

### Skills Learned:

- Site layout and excavation
- Concrete form work
- Concrete driveways
- Rough carpentry
- Roofing / Siding
- Windows and doors
- Metal studs
- Drywall
- Finish carpentry
- Blueprint reading



- Material estimation

### Teacher Contact Info:

Normandy High School

**Matt Hammon:**

hammonm@parmacityschools.org



## Education

# Teaching Professions



This program, whose leader organization is Future Educators of America, introduces college-bound seniors to the teaching profession and gives them a head start on the path to a successful teaching career. Instructional topics include instructional strategies, history of education, diverse learning styles, appropriate learning atmosphere, classroom technology, and monitoring and assessing student performance. Each student must also complete field experiences in actual elementary, middle school, and high school classrooms. From this program, students may be able to obtain technical and professional level careers in planning, managing and providing education and training services and related learning support services.

### Program Information:

Credits: 4

Location: Valley Forge High School

### College Credit:

\*Available college credit awarded upon meeting articulation requirements\*

### Certifications:

\* Available through passing exam/s

CPR/First Aid (1 pt.)

Child Abuse Recognition (1 pt.)

Communicable Disease Prevention (1 pt.)

Microsoft Office Specialist Word  
(3 points)

Microsoft Office Specialist Excel  
(3 points)

Microsoft Office Specialist PowerPoint  
(3 points)

Microsoft Office Specialist Outlook  
(3 points)

Paraprofessional (6 points)

Lead 4 Change (3 points)

### Student Organization:

Future Educators of America (FEA)

### Competitions:

- Future Teachers of America (FEA)

### Curriculum:

- Introduction to education and training
- Organizational processes
- Communications
- Foundations of education
- Safety and health
- Technology
- Child growth and development
- Curriculum strategies
- Instructional strategies
- Family/community collaboration and communication• Professional development and growth
- Learning and developmental characteristics
- Assessment
- Learning environment
- Internships at multiple levels of education
- Creation of a portfolio

### Teacher Contact Info:

Valley Forge High School:

**Mrs. Cortney Bokoch**

bokoche@parmacityschools.org



# Engineering & Science Technologies

## Biotechnology Honors & AP Biology



Biotechnology is a one-year course designed to prepare students for a career in Biological Sciences. There is an emphasis placed on developing laboratory and research skills, with more than 50% of class time spent in the lab.

### Program Information:

Credits: 2

Location: Normandy High School  
Valley Forge High School

### Preferred Program Pathway:

9th grade – Biology I Honors  
10th grade – Chemistry I Honors  
11th grade – AP Chemistry or  
Physics (regular or AP)

### Post-Secondary:

- Career opportunities with continued education available in Medicine, Microbiology, Biomedical Engineering, Molecular Genetics, Forensics, Pharmaceuticals, Research and Development, Product Design, Marketing, Sales, and BioInformatics.

### College Credit:

\*Available college credit awarded upon meeting articulation requirements\*

### Certifications & College credit through passing individual exams:

Microsoft Office Specialist Word

(3 points)

Microsoft Office Specialist Excel

(3 points)

Microsoft Office Specialist PowerPoint

(3 points)

Microsoft Office Specialist Outlook

(3 points)

### Student Organization:

HOSA

### Competitions:

- North Coast Tech Prep Biotech Olympics
- HOSA

### Technology Experience:

- Centrifugation
- Protein separation techniques (paper chromatography, size exclusion chromatography, etc.)
- Microscopy
- Genetic Engineering
- Transformation
- PCR (Polymerase Chain Reaction)
- Spectrophotometry
- Micropipetting
- Gel Electrophoresis/DNA and Protein Fingerprinting
- Solution Preparation

### Teacher Contact Info:

Valley Forge High School:

**Jon Komar:** 440-885-2330

komarj@parmacityschools.org

Normandy High School:

**Brian Kroth:** 440-885-1947

krothb@parmacityschools.org

Project Lead The Way (PLTW) is the leading provider of rigorous and innovative Science, Technology, Engineering, and Mathematics (STEM) education curricular programs used in middle and high schools across the U.S. STEM education is at the heart of today's high-tech, high-skill global economy. For America to remain economically competitive, our next generation of leaders—the students of today—must develop the critical-reasoning and problem-solving skills that will help make them the most productive in the world. STEM education programs like the one offered by PLTW engage students in activities, projects, and problem-based learning, which provides hands-on classroom experiences. Students create, design, build, discover, collaborate and solve problems while applying what they learn in math and science. PLTW's comprehensive curriculum for engineering has been collaboratively designed by PLTW teachers, university educators, engineering professionals and school administrators to promote critical thinking, creativity, innovation and real-world problem solving skills in students. The PLTW curriculum is founded in the fundamental problem-solving and critical-thinking skills taught in traditional career and technical education (CTE), but at the same time integrates national academic and technical learning standards and STEM principles, creating what former U.S. Secretary of Education Arne Duncan calls one of the “great models of the new CTE succeeding all across the country.” PLTW was recently cited by the Harvard Graduate School of Education as a “model for 21st century career and technical education.”

### College Credit:

\*Available college credit awarded upon meeting articulation requirements\*

### Certifications:

\* Available through passing exam/s

Microsoft Office Specialist Word

(3 points)

Microsoft Office Specialist Excel

(3 points)

Microsoft Office Specialist PowerPoint

(3 points)

Microsoft Office Specialist Outlook

(3 points)

### Teachers

Frank Casalinova - Normandy

Bick Fielder - Normandy

John Silva - Normandy

Michael McKenna -VF

David Planty - VF

The high school Pathway to Engineering sequence offered at Parma City School District at all three high schools consists of the following courses:

**9th Grade:**

**Introduction To Engineering Design (IED)**

The major focus of IED is the design process and its application. Through hands-on projects, students apply engineering standards and document their work. Students use industry standard 3D modeling software to help them design solutions to solve proposed problems, document their work using an engineer's notebook, and communicate solutions to peers and members of the professional community.

**10th Grade:**

**Principles of Engineering (POE)**

This survey course exposes students to major concepts they will encounter in a post-secondary engineering course of study. Topics include mechanisms, energy, statics, materials, Control systems and kinematics. The students develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges, document their work and communicate solutions.

**11th Grade:**

**Digital Electronics (DE)**

Digital electronics is the foundation of all modern electronic devices such as mobile phones, MP3 players, programmable logic devices, laptop computers, digital cameras and high-definition televisions. Students are introduced to the process of combinational and sequential logic design, foundation of electric circuits, engineering standards and technical documentation.

**12th Grade:**

**Aerospace Engineering (AE)**

Aerospace Engineering explores the evolution of flight, navigation and control, flight fundamentals, aerospace materials, propulsion, space travel, and orbital mechanics. In addition, this course presents alternative applications for aerospace engineering concepts. Students analyze, design, and build aerospace systems. They apply knowledge gained throughout the course in a final presentation about the future of the industry and their professional goals.

# Health Science

## Dental Technology



The demand for dental services continues to grow because of population growth, older people increasingly retaining more teeth, and a growing emphasis on preventive dental care. To meet this demand, facilities that provide dental care, particularly dentist's offices, will increasingly employ those trained in the dental field.

### Program Information:

Credits: Junior year – 3  
Senior year – 3

Location: Normandy High School

### College Credit:

\*Available college credit awarded upon meeting articulation requirements\*

### Certifications:

- \* Available through passing exam/s
- Certificate of Completion
- American Medical Technologies - (Registered Dental Assistant-RDA) (12 points)
- Ohio Dental Radiographer Certification (6 points)
- CPR (1 point)
- First Aid (1 point)
- HIPPA Trained

### Student Organizations:

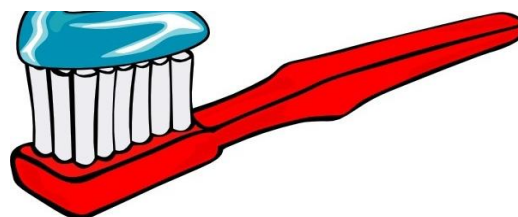
- HOSA

### Competitions:

- HOSA

### Students will demonstrate skills in:

- General Anatomy
- Infection control procedures
- Chair-side assisting



- Dental radiology
- Dental materials
- Pharmacology
- Dental office management skills
- Patient education

### Post-Secondary:

Graduates work in positions as clinical assistants, infection control managers, practice managers, dental hygiene assistants and/or receptionists for dental offices, dental clinics and public health facilities.

### Extra Activities:

- Internship at Case Western Reserve University School of Dental Medicine
- Give Kids a Smile
- First grade demonstrations
- Volunteerism

### Teacher Contact Info:

Normandy High School:

**Ms. Sara Allen** 440-843-1383  
allensa@parmacityschools.org



## Medical Health Professions I

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This introductory year program is designed to give students a hands on approach to the medical field. Students will rotate through a variety of modules focusing on body systems and demonstrations/labs. The base knowledge of anatomy, medical terminology and laboratory procedures taught throughout this program will be used in all medical professions. With the continuing demand for qualified medical professionals, this program is designed to peak the interest of students, along with teaching the professionalism of a healthcare practitioner.

### Program Information:

Credits: Junior year – 3  
Senior year – 3 (Medical Health Professions II)

### College Credit:

\*Available college credit awarded upon meeting articulation requirements\*

### Certifications:

- \* Available through passing exam/s
- Dean Vaughn Medical Terminology

### Student Organizations:

- HOSA

### Competitions:

- HOSA

### Students will demonstrate skills in:

General anatomy and physiology  
Infection control  
Medical terminology  
Medical abbreviations  
Capillary puncture/blood labs  
Forensics  
Microscopes  
Vital signs  
DNA analysis

### Teacher Contact Info:

Normandy High School:

**Sara Boone:** 440-885-1944

Boones@parmacityschools.org

**Melanie O’Callahan:** 440-885-8369

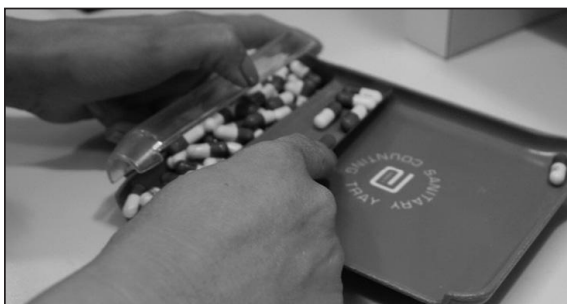
ocallahanm@parmacityschools.org

**Kali Spooner:** 440-885-8369

spoonerk@parmacityschools.org

**Terri Morgan:** 440-885-1945

morgante@parmacityschools.org



# Health Science

## Medical Health Professions II

### Patient Care & Diagnostics



#### Senior Year:

This program is designed for students to explore careers in Allied Health, such as Medical Assistants, Lab Technicians, Physician Assistants, and other various careers.

#### Program Information:

Credits: Junior year – 3 (Medical Health Professions I)  
Senior year – 3

Location: Normandy High School

#### College Credit:

\*Available college credit awarded upon meeting articulation requirements\*

#### Certifications:

- \* Available through passing exam/s
- CPR (1 point)
- First Aid (1 point)
- American Medical Certification Assoc. Clinical Medical Assistant (12 points)

#### Student Organizations:

- HOSA

#### Competitions:

- HOSA



#### Other Opportunities:

- University Hospital Pathology lab experience
- Cuyahoga County Medical Examiner Shadowing
- Scholarships
- Mentoring experiences
- COSI Autopsy Viewing

#### Community Service:

- Vitalant Blood Drive

#### Teacher Contact Info:

Normandy High School:

**Kali Spooner:** 440-885-8369  
spoonerk@parmacityschools.org



# Health Science

## Medical Health Professions II

### Biomedical Technology

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#### Senior Year:

The rigorous and relevant four-part PLTW Biomedical Science sequence allows students to investigate the roles of biomedical professionals as they study the concepts of human medicine, physiology, genetics, microbiology, and public health. Students engage in activities like investigating the death of a fictional person to learn content in the context of real-world cases. They examine the structures and interactions of human body systems and explore the prevention, diagnosis, and treatment of disease, all while working collaboratively to understand and design solutions to the most pressing health challenges of today and the future. Each part builds on the skills and knowledge students gain in the preceding part.

#### Program Information:

Credits: Junior year – 3 (Medical Health Professions I)  
Senior year – 3

Location: Normandy High School

#### College Credit:

\*Available college credit awarded upon meeting articulation requirements\*

#### Certifications:

- \* Available through passing exam/s
- American Medical Certification Assoc. Physical Therapy Aide (12 points)
- CPR (1 point)
- First Aid (1 point)

#### Student Organizations:

- HOSA

#### Competitions:

- HOSA

#### Other Opportunities:

- Cuyahoga County Medical Examiner
- University Pathology lab experience
- Shadowing
- Scholarships
- COSI Autopsy Viewing

#### Community Service:

- Vitalant Blood Drive

#### Teacher Contact Info:

Normandy High School:

**Sara Boone** 440-885-1944  
Boones@parmacityschools.org



# Health Science Medical Health Professions II

## Nursing Assisting & Patient Care



### Senior Year:

In the Nursing Assisting program, students will complete the state nurse aid curriculum and prepare for the STNA State Test.

### Program Information:

Credits: Junior year – 3 (Medical Health Professions I)  
Senior year – 3

Location: Normandy High School

### College Credit:

\*Available college credit awarded upon meeting articulation requirements\*

### Certifications:

- \* Available through passing exam/s
- Ohio Department of Health—State Tested Nurse Assistant (STNA) (12 points)
- CPR (1 point)
- First Aid (1 point)

### Student Organizations:

- HOSA

### Competitions:

- HOSA

### Other Opportunities:

- Cuyahoga County Medical Examiner
- University Pathology lab experience
- Clinicals
- Shadowing
- Scholarships
- COSI Autopsy Viewing

### Community Service:

- Vitaliant Blood Drives

\*Students are required to complete specific community service hours to be admitted into the nursing program\*

### Possible Future Pathway:

#### Direct from program:

State Tested Nursing Assistant (STNA)

**Further education can lead to a career such as:** Licensed Practical Nurse (LPN), Registered Nurse (RN), Nurse Practitioner, Physician Assistant

### Teacher Contact Info:

Normandy High School:

**Melanie O’Callahan:** 440-885-8369  
ocallahanm@parmacityschools.org



# Health Science

## Medical Health Professions II



### Exercise Science

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#### Senior Year:

This Exercise Science program is designed for students to study body mechanics, fitness programming, athletic training and nutrition. While in this program, you will learn the basics of preventing, diagnosing and treating injuries related to sports and/or exercise. The Exercise Science program provides a basis for students interested in pursuing careers such as physical therapy, occupational therapy, athletic training, massage therapy, personal training, wellness, etc.

#### Program Information:

Credits: Junior year – 3 (Medical Health Professions I)  
Senior year – 3

Location: Normandy High School

#### College Credit:

\*Available college credit awarded upon meeting articulation requirements\*

#### Certifications:

- \* Available through passing exam/s
- American Medical Certification Assoc. Physical Therapy Aide (12 point)
- First Aid (1 point)
- CPR (1 point)

#### Student Organizations:

- HOSA

#### Competitions:

- HOSA

#### Other Opportunities:

- Cuyahoga County Medical Examiner
- University Hospital Pathology lab
- Various Hospital Internships
- Scholarships
- Lifeshare Blood Drives
- COSI Autopsy Viewing

#### Community Service:

- Vitalant Blood Drive

#### Teacher Contact Info:

Normandy High School:

**Terri Morgan:** 440-885-1945

[morgante@parmacityschools.org](mailto:morgante@parmacityschools.org)



# Hospitality & Tourism

## Culinary Arts



Culinary Arts is a two-year program designed to train students in various food preparation techniques, the use of industrial kitchen equipment and utensils, and restaurant service management. Students work together to run the Sword and Shield Restaurant located in Normandy High School. Other skills covered include recipe conversions, menu planning, large scale catering, and banquet service set-up and preparation.

### Program Information:

Credits: Junior year – 3  
Senior year – 4

Location: Normandy High School

### Personal Qualities:

Students need to be self-motivated and have a passion for the food service industry. Students also need to enjoy working with others and succeeding under pressure.

### Post-Secondary:

- Associates in Food Service/Restaurant Management
- Continue on to Bachelors Degree

### College Credit:

\*Available college credit awarded upon meeting articulation requirements\*

### Certifications:

- \* Available through passing exam/s
- ProStart Certificate of Achievement (9 points)
- ServSafe (3 points)
- Rise Up (12 points)

### Student Organizations:

- FCCLA
- National Restaurant Association

### Competitions:

- Ohio Culinary Invitational
- Affair with Pork
- Prostart Ohio Invitational

- FCCLA Ohio Invitational

### Community Service:

- The Sword and Shield Restaurant

### Equipment Used:

- POS System
- Commercial Grade Restaurant Equipment

### Teacher Contact Info:

Normandy High School:

**Iann Johnson:** Senior Instructor  
Johnsoni@parmacityschools.org  
440-885-8385

**Christie Gibbons:** Junior Instructor  
gibbonsc@parmacityschools.org  
440-885-8385



## Human Services Cosmetology



The first year in cosmetology covers the basic requirements for licensing which includes sanitation/disinfection, anatomy/physiology, chemistry, hairstyling, hair color, haircutting, facials, skin care, manicures, gel nails, and chemical hair relaxing. The second year focuses on customer service in the clinic and covers additional requirements needed to complete the two-year course of study to be eligible to take the Ohio State Board of Cosmetology Licensing Exam.

### Program Information:

Credits: Junior year – 4  
Senior year – 4

Location: Normandy High School

### College Credit:

\*Available college credit awarded upon meeting articulation requirements\*

### Certifications:

- \* Available through passing exam/s
- Ohio State Board of Cosmetology-License of Cosmetology (12 points)

### Competitions:

- SkillsUSA
- Galaxy Student Competition

### Community Service:

- Work with senior citizens through various organizations



### Teacher Contact Info:

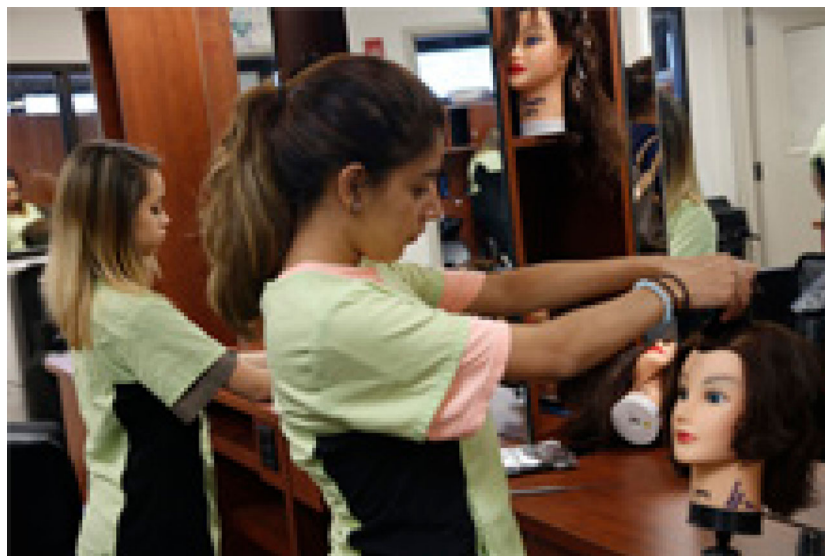
Normandy High School:

**Cassandra Lehky** (Senior class):  
lehkyc@parmacityschools.org

**Laura Rose** (Junior class):  
rosel@parmacityschools.org

**Samantha Andexler** (Senior class):  
andexlerss@parmacityschools.org

**Alyssa Patty** (Junior class):  
pattya@parmacityschools.org  
440-885-8394





Networking & Advanced Computers (Cisco Networking Academy) is a comprehensive e-learning program, which provides students with the Internet technology skills essential in a global economy. The Networking Academy Program delivers web-based content, online assessment, student performance tracking, hands-on labs, instructor training and support, and preparation for industry standard certifications. Students also have the opportunity to learn web page design, java (computer programming), HTML, and C++ through this program.

**Program Information:**

Credits: Junior year – 3  
Senior year – 3

Location: Normandy High School

**College Credit:**

\*Available college credit awarded upon meeting articulation requirements\*

**Certifications:**

- \* Available through passing exam/s
- CompTIA A+ (Pre-Req required -6 points)
- CompTA Network+ (Pre-Req required -6 points)
- CISCO Certified Network Associate (Pre-Req required -12 points)

Microsoft Office Specialist Word  
(3 points)

Microsoft Office Specialist Excel  
(3 points)

Microsoft Office Specialist PowerPoint  
(3 points)

Microsoft Office Specialist Outlook  
(3 points)

**Student Organization:**

- BPA

**Competitions:**

- BPA

**Community Service:**

- Offers Community Tech support

**Post-Secondary:**

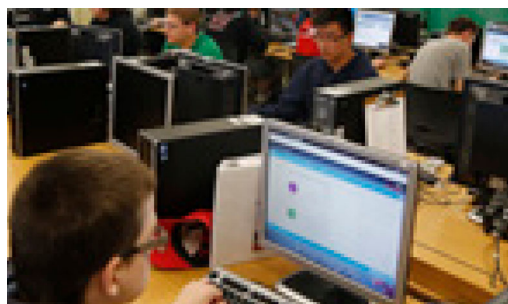
- If they pass the CCNA certification test, they can obtain jobs in the field.

**Teacher Contact Info:**

Normandy High School

Mr. Jesse Bach

bachj@parmacityschools.org



# Manufacturing Welding



The Welding Technology program will teach students the fundamentals of welding, the most common way of permanently joining metal parts, and the processes used to fabricate metal. Students will receive training in gas, arc, fluxcore, and MIG and TIG welding. Along with blueprint reading and welding symbols, students will also learn how to use a grinder, drill, plasma arc cutter, burning torch, arc welding machines, and more.

This Career-Tech course will utilize Lincoln Electric's cutting edge ULink curriculum. Students will gain experience with state of the art equipment such as the Torchmate CNC cutting system and training utilizing the VRTEX 360 welding simulator and water table software. Students will prepare for the welding certifications.

## Program Information:

Credits: Junior year – 3  
Senior year – 3

Location: Valley Forge High School

## College Credit:

\*Available college credit awarded upon meeting articulation requirements\*

## Certifications:

- \* Available through passing exam/s
- American Welding Society (AWS)
  - Certified Welder (12 points)
  - Qualified Welder (9 points)



## Student Organization:

- SkillsUSA

## Competitions:

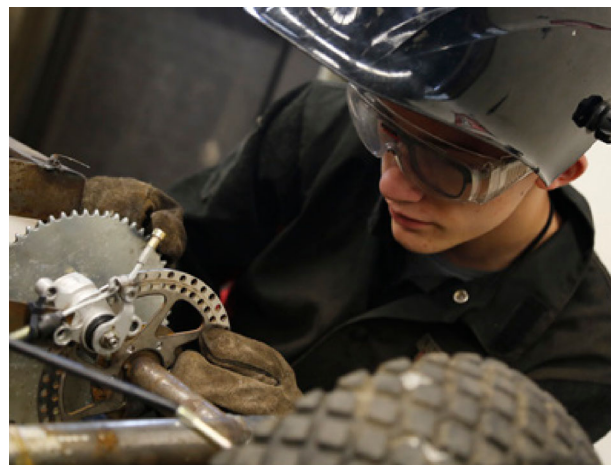
- SkillsUSA

## Teacher Contact Info:

Valley Forge High School:

**Pat Connelly**

**connellyp@parmacityschools.org**



Every organization is a business. Cooperative Marketing Management is a one-year internship program for seniors interested in business, marketing and management. It provides career preparation in one of the largest and fastest growing areas of our business community: marketing and management. Students will study marketing, as well as advertising, management, sales, entrepreneurship, E-commerce, computer technology, marketing research, communication and employability skills. Cooperative learning experience will link real-life examples to concepts learned in the classroom. Students also have involvement with the Community Business Schools (C/B/S) group, the Rotary Club of Parma, Parma Chamber of Commerce, Fuel Up to Play 60 Campaign with the American Dairy Association and the NFL, and shadowing opportunities.

**Program Information:**

Credits: Senior year – 4  
(2 classroom, 2 work)

Location: Normandy High Sc  
Valley Forge High School

**College Credit:**

\*Available college credit awarded upon meeting articulation requirements\*

**Certifications:**

\* Available through passing exam/s

Microsoft Office Specialist Word  
(3 points)

Microsoft Office Specialist Excel  
(3 points)

Microsoft Office Specialist PowerPoint  
(3 points)

Microsoft Office Specialist Outlook  
(3 points)

Microsoft Office Specialist Access  
(3 points)

Microsoft Office Specialist Expert Excel  
(3 points)

Microsoft Office Specialist Expert Word  
(3 points)

National Retail Federation- Rise Up Retail  
(6 points)

National Retail Federation- Rise Up

Customer Service Retail

(6 points)

Student Social Media Marketing

(3 points)

**Student Organizations:**

- DECA

**Competitions:**

- DECA

**Activities/Community Service:**

- Class projects/Support the school
- Fuel Up to Play 60 Campaign
- Junior Achievement Company Program – create own business
- Fundraisers

**Teachers**

Carolyn Holt- Balis VF

Jacob Cornish VF

Robert O'Donnell NHS

Ian Kost NHS



# Transportation Systems

## Auto Collision Technology



If you enjoy a hands-on setting, you'll enjoy Auto Collision. In this program, students will begin with the construction of today's vehicles, tools for body repair, and safety. Students will learn how to disassemble vehicles for parts replacement after collision, refinishing, and restoring to pre-accident condition.

### Program Information:

Credits: Junior year – 3  
Senior year – 3

Location: Normandy High School

### College Credit:

\*available college credit awarded upon meeting articulation requirements\*

### Certifications:

- \* Available through passing exam/s
- ICAR Collision Repair (12 points)

### Student Organization:

SkillsUSA

### Competitions:

SkillsUSA

### Post-Secondary:

- Some jobs are available out of high school such as paint and body preparation, delivery, and in parts departments
- With continued education, students can be employed as managers, work in customer service, be a shop foreman, or work in specialized fields (mechanics,



custom glass,upholstering)

### Equipment Used:

- Hand tools (specialized auto body and mechanical)
- Power tools (grinders, sanders, drills, and cutters)
- Paint spray equipment
- Frame and unibody straightening equipment
- Welding (torches, mig, plastic)
- Automotive lifts and jacks

### Skills Learned:

- Use of hand tools and equipment
- Terminology
- Steel and plastic repair techniques
- Gas and MIG
- Damage repair estimating
- Painting and refinishing

### Teacher Contact Info:

Normandy High School:

**Lonnie Higey**

[higeyl@parmacityschools.org](mailto:higeyl@parmacityschools.org)



# Transportation Systems

## Automotive Service Technology



The Tech Prep Automotive Service Technology program is designed to prepare students for entry level employment in the automotive, truck and parts industries. Students learn to diagnose, adjust, overhaul, repair, and replace mechanical and electrical components of vehicles. During the junior year, students are trained in introduction to automotive, diagnosis and repair of brakes, electrical / electronic systems and engine repair. In-depth training in theory is included in all areas. During the senior year, students learn suspension and steering and alignment, advanced electrical, Engine Performance, heating and air conditioning, drive trains and axles, and customer service.

### Program Information:

Credits: Junior year – 3  
Senior year – 3

**\*\* Students must purchase basic tool set\*\***

Location: Valley Forge High School

### College Credit:

\*Available college credit awarded upon meeting articulation requirements\*

### Certifications:

- Automotive Service Excellence (ASE) Student Certification—Automotive Brakes (4 points)
- Automotive Service Excellence (ASE) Student Certification—Electronic/Electrical System (4 points)
- Automotive Service Excellence (ASE) Student Certification—Automotive Suspension and Steering (4 points)
- Automotive Service Excellence (ASE) Student Certification—Automotive Engine Performance (4 points)

### Student Organizations:

- Skills USA
- National Automotive Technicians Foundation (NATEF)

### Competitions:

- Skills USA
- Cleveland Autodealers Assoc.

### Post-Secondary:

- Entry level technician
- Auto Service Technician
- Truck Technician
- Service Writer
- Parts Counter Sales Person
- Specialized Auto Service
- Service manager
- Electrical engineer (with post secondary training)

### Equipment Used:

- Basic industry tools such as wrenches, sockets, pliers and screwdrivers
- Automotive hand-held testing equipment such as digital multimeters, scan tools and current probes
- Precision measuring tools such as micrometers, dial indicators, thread gauges, pressure and volume testers, compression testers and pyrometers.
- Frame contact and drive on lifts.
- Wheel balancing and front end alignment equipment
- Brake-drum and rotor refinishing lathes.
- Internet service information

### Teacher Contact Info:

Valley Forge High School:

**Gary Mitchhart:** 440-885-8439  
mitchhartg@parmacityschools.org

## Employment Training

### Community Based Experience



Community Based Experience is a 1-2 year training program that provides training opportunities for students with disabilities to perform job and community skills. This is in preparation for community employment with supports and/or community opportunities after graduation from high school. The students will be at the job sites for about 40% of their course time, they will be out in the community 40% of the time, and in the classroom 20%. Currently the job site locations are the Parma Senior Center, Seven Hills City Hall, Fast Eddies, Parma Heights Senior Center, Danny Boys, Greenbriar Healthcare Center, FiotWorks, Seven Hills Recreation Center, & Parma Parks & Recreation. Skills practiced at the job sites include washing, rinsing and sanitizing tables, setting the tables, and dusting. Skills also practiced include vacuuming, mopping, cleaning counters, windows and mirrors. While learning these various tasks, students are also learning how to follow multi-step tasks, work collaboratively in a work setting, self-advocacy skills, daily living skills, socialization, communication, etc. In addition to the job sites, students are provided with community experiences. Possible community locations are the grocery store, mall, recreation centers, adult service providers, bowling alley, etc. During these community opportunities, skills practiced include money management, functional reading skills, self-advocacy, social skills, communication, etc. During the time in the classroom, the skills practiced may include functional life skills, communication, socialization, running the In-school Coffee Shop every Friday and in-house vocational tasks. The students are provided transportation from their high school to their job/community location. **Student participation in the program is an Individualized Education Program (IEP) team decision.** The class is 3 credits each year of participation. This class is normally

taken the last 1 or 2 years of high school.

#### Benefits of the program:

- Able to determine what type of tasks they like to do

- Learn how to work in a group

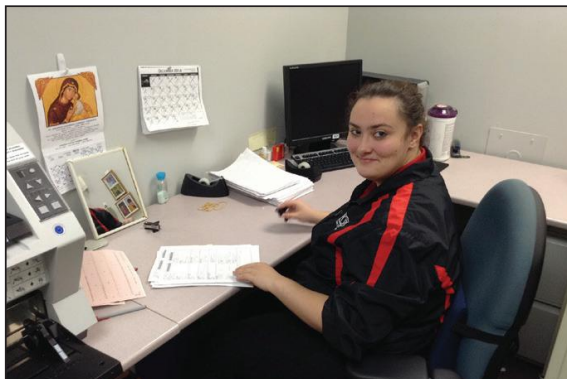
#### Program Information:

Credits: Junior year – 3  
Senior year – 3

Location: High School Level

#### Post-Secondary:

Upon completion of the program, students may have opportunities for supported and/or sheltered employments. Individual school programs collaborate with outside agency support pending eligibility.



## Employment Training Job Training

Community  
Service  
Seal

Industry  
Credentials

The Job Training program is a 2-year program providing opportunities for students with disabilities to perform entry-level job readiness skills in preparation for all ranges of employment after high school. Students will be provided transportation to and from their home school and to community job locations. Current job sites include University Hospitals Parma Medical Center, Baldwin Wallace University, Seven Hills Recreation Center, Seven Hills City Hall, Winking Lizard Tavern, Cuyahoga Community College and the Salvation Army. Students receive classroom instruction reinforcing appropriate work site behavior, safety, sanitation, and grooming. Students are placed in positions according to skill level and then rotated through the multiple positions available at the teacher's discretion. Initially, students will work along side the instructor or employees with a goal of independence in many cases. **Student participation in this program requires an Individualized Education Program (IEP).**

### Program Information:

Credits: Junior year – 3  
Senior year – 3

Location: High School Level

### Post-Secondary:

Students will leave the program with a resume, references and the skills necessary for success in the workforce. Upon completion of the program, the students will have opportunities for competitive or supportive employment. Job Training teachers, with the support of the transition coordinators, collaborate with outside agencies, pending eligibility of the individual student worker.

### Certifications:

National Retail Federation- Rise Up Retail  
(6 points)

National Retail Federation- Rise Up  
Customer Service Retail

(6 points)





## Business Technologies Courses

### Accounting I:

Accounting I is the most fundamental study preparing students to enter their personal and business financial worlds and is for both **career and college-bound** students. This course is a must to students that are majoring in business, planning on owning their own business, or interested in exploring a career in accounting. Over the next decade, over 200,000 jobs are expected to open up in accounting. Entrepreneurs must understand accounting concepts to problem solve and make sound business decisions. Students will track, record, summarize, and report a business's financial transactions. They will develop financial documents, project future income and expenses, and evaluate the accuracy of a business's financial information. Technology, employability skills, leadership and communications will be incorporated into classroom activities.

### Accounting II:

Accounting II is for both **career and college-bound** students interested in accounting and business careers. Students will expand on topics learned in the Accounting I course while adding new topics such as managerial accounting, cost accounting, and financial statement analysis. Strong emphasis is placed on using computerized accounting projects. It also provides excellent background and preparation for college accounting courses and for business majors. Students who have completed two years of accounting generally are more successful in their first year of college accounting than students without that background.

### Business Foundations:

Business Foundations, an introductory business course, provides the framework for all future business courses. It acquaints students with career exploration, personal banking and finance, economics, entrepreneurship, management, and marketing. Business Foundations will use technology to synthesize and share business information. Employability skills, leadership and communications, business etiquette, ethics and personal financial literacy will be addressed. Students will explore the fundamentals of decision making, setting financial goals, budgeting, taxes, banking services, credit, consumer laws, and risk management.

### Entrepreneurship:

Are you interested in starting your own business, designing a product/service or creating a business plan? Take Entrepreneurship!! You will use innovation skills to generate ideas for new products and services, evaluate the feasibility of ideas, and develop a strategy for commercialization. In addition, students will use technology to select target markets, profile target customers, define the venture's mission, and create business plans. Students will take initial steps to establish a business by calculating and forecasting costs, break-even, and sales. Establishing brand, setting prices, promoting products, and managing customer relationships will be emphasized.

# Computer Science Courses

Pathway Electives (\*semester courses taken in high school\*)

## Information Technologies:



This first course in the IT career field is designed to provide students with a working knowledge of computer concepts and essential skills necessary for work and communication in today's society. Students will learn safety, security, and ethical issues in computing and social networking. Students will also learn about input/output systems, computer hardware and operating systems, and office applications.

## Visual Programming:



Students will create event-driven programs using object oriented programming techniques for use in web based and standalone applications. Students will map out, design, and test computer applications, web applications, and mobile applications. Both commercial and open source programs and applications will be used.

## Web Design:



Students will learn the dynamics of the Web environment while pursuing an in-depth study of both Hypertext Markup Language (HTML) and Cascading Style Sheets (CSS). Web based protocols such as FTP, TCP/IP, and HTTP will be addressed. Students will create a website with tag text elements, special characters, lines, graphics, hypertext links, and graphical tables.

## Multimedia:



Students will apply principles of image creation, management procedures, and multimedia techniques as they create, revise, optimize, and export graphics for video, print, and web publishing. The course will address issues related to web based publishing, social media, and security. Students will utilize current commercial and open source language-programs, and applications.

# Family & Consumer Sciences Courses

Pathway Electives (\*semester courses taken in high school\*)

## Career and College Readiness (10th grade)

It is highly recommended that students take this course during their 10th or 11th grade year to help fulfill their graduation electives requirement. This course is designed to walk students through the college application process and prepare for future career and personal finance planning. Students will use college and career readiness tool of Naviance.

Part 1 – College Readiness: Students will explore college and scholarship options. They will be designing and writing college applications and requesting strong letters of recommendation. Students will be using Naviance to continue college and career exploration and planning. Additional support for graduation requirements, including state and local seal preparation and completion, will be reviewed.

Part 2 – Career Readiness: Students will develop effective learning strategies and skills to provide a strong foundation for successful lifelong learning. Throughout the course, students will research careers and occupations. Students will develop the skills necessary to apply and interview for a job. They will have the opportunity to learn about careers through guest speakers, guidance counselors, and College Now representatives.

Part 3 – Personal Finance Planning: Students will develop personal financial plans for individual personal well-being. Throughout the course, students will develop financial literacy skills to provide a basis for responsible citizenship and career success.

### Child Development:

Students will understand the decisions of parenting, conception, pregnancy, prenatal care and child development by focusing on physical, social, emotional, and intellectual development at various stages. Completing the Real Care Babies project is required for this course. Some special topics include child abuse, adoptions, careers, divorce, parenting trends, and child care.

### Creative Foods for Healthy Living:

Course content will focus on building and maintaining a healthy body through exercise and diet. Students will practice safe food handling procedures to prevent food-borne pathogens while participating in advanced healthy food lab experiences. Students will use time management strategies, decision-making skills, and multi-cultural awareness that relate to work and family goals to sustain productive, meaningful lifestyles. During this hands-on course, students create food patterns and evaluate nutritional information to guide food choices for a healthy lifestyle. **Because students will be eating what they prepare, teacher must be notified of dietary concerns and/or food allergies.**

### Teen Foods and Nutrition:

Teen Foods & Nutrition will teach you how to shop smart, plan and prepare healthy meals, using the USDA ChooseMyPlate.gov and new dietary guidelines. Students will explore the cultural, family, community and economic implications of food patterns and behavior with an emphasis on healthy lifestyles. Participation in cooking labs will enable students to demonstrate safe food handling practices while preparing attractive, tasty and healthy foods. **Because students will be eating what they prepare, teacher must be notified of dietary concerns and/or food allergies.**

### Textiles and Interior Design:

In this course, students will explore a broad range of topics relation to the various aspects and career opportunities available in the field of textiles and design. The emphasis will be given to textiles project development and developing strategies to maintain the home. Additional topics will include project collaboration, design techniques, and environmental sustainability.



# Industrial Education

## Pathway Electives (*\*semester courses taken in high school\**)

### Remodeling/Renovation:

Students will apply structural and mechanical skills to remodeling and renovations. In addition, students will learn the process of securing the required building permits, the management of subcontractors, and the coordination of formal building inspections. Students will troubleshoot design or logistics issues and provide possible solutions. Throughout the course, the safe handling of materials, personal safety, prevention of accidents, and the mitigation of hazards are emphasized.



### Woods I (Manufacturing Operations I):

Woods Technology I is for the beginning student who may have little or no experience in woodworking. This course will focus on students learning the fundamentals of cabinet making so students can eventually build high quality furniture on their own. Areas of study will include safety and the proper use of power equipment, identifying various woods, figuring board feet, types of fasteners, glues, and finishes. Students can build projects of their own design as time permits. Students will learn the production processes applied across manufacturing operations. Students will be able to demonstrate a broad array of technical skills with an emphasis given to quality practices, measurement, maintenance, and safety.



### Woods II (Manufacturing Operations II):

Woods Technology II begins where Woods Technology I ends. The focus of Woods Technology II is on design and construction of serious woodworking projects. Students are expected to make one or more major projects using various equipment. Areas of study include safety, problem solving skills, career opportunities and becoming a better consumer. Students will learn the production processes applied across manufacturing operations. Students will be able to demonstrate a broad array of technical skills with an emphasis given to quality practices, measurement, maintenance, and safety.

## Middle School Elective Courses

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### Design & Remodeling (GRADE 7 and 8)

This is a pre-engineering course where students discover the design process and develop an understanding of the influence of creativity and innovation in their lives. They are then challenged and empowered to use and apply what they've learned throughout the unit to design real world products.

**CAREER & TECHNICAL EDUCATION**  
**In Person Open Houses**  
**2024-2025**

**In-Person Open House Dates:**  
**10th and 11th graders 5:30p.m.-7:00p.m.**  
Normandy – Thursday, November 7, 2024  
Valley Forge – Thursday, November 14, 2024

**APPLICATION DUE DATES**  
Current 10th and 11th grade students attending Normandy High  
School and Valley Forge High School: Applications are due to  
Guidance Counselors at home school  
***Friday, January 10, 2025***

# PARMA CITY SCHOOL DISTRICT ADMINISTRATION

Dr. Charles Smialek

Superintendent

Sean Nuccio

Treasurer

Chuck Caldwell

Administrative Specialist for CTE

## BOARD OF EDUCATION

Mark Ruda ..... President

Ashley McTaggart..... Vice President

Linda Kohar ..... Member

Brittany Kurpic ..... Member

Steven Vaughn..... Member

*Parma City School District operates a comprehensive Career and Technical Education planning district. The Parma City Schools Career and Technical Education Planning District does not discriminate on the basis of race, color, national origin, sex, disability, or age in its programs and activities and provides equal access to the Boy Scouts and other designated youth groups.*

## THE MISSION

### OUR HIGH SCHOOLS

#### **Normandy High School**

2500 West Pleasant Valley Road  
Parma, Ohio 44134  
440-885-2400

#### **Valley Forge High School**

9999 Independence Boulevard  
Parma Heights, Ohio 44130  
440-885-2330

The Parma City School District  
Career and Technical Education  
Programs prepare youth for  
college and career readiness.

Learn more about us at:  
[www.parmacityschools.org](http://www.parmacityschools.org)



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