

SAUNDERS

TRADES & TECHNICAL HIGH SCHOOL

School Information



Saunders Trades & Technical High School 2024-2025 School Year

Address

183 Palmer Road
Yonkers NY 10701

Central Office Administration

Superintendent:
Mr. Anibal Soler

Associate Superintendent:
Mrs. Rose-Anne Collins-
Judon

Phone

Main: 914-376-8150

School Administration

Principal:
Mr. Jeremy Rynders

Assistant Principals:
Ms. Kathy Dahdal
Mr. Julian Menendez
Ms. Christina Nola
Mr. Angelo Petrino
Dr. Christina Zeoli-Costa

Website & Social Media

Website:
www.yonkerspublicschools.com/saunders

X/Twitter: @Saunders_HS

Instagram: Saunders_Principal



All About Saunders High School

Since 1909, Saunders Trades & Technical High School has been committed to combine vocational and academic instruction that provided students with skills for employment and academic preparation for college. Students ballot to major in one of ten technical, vocational or occupational programs while participating in academic classes, taking Regents exams, as well as college preparatory courses.



The concentrated academic instruction prepares our students for post secondary learning experiences.

Academic instruction supports knowledge acquisition in their vocational, occupational or technical pathways and enables them to actively participate in and contribute to society.

It also offers active Work-Based Learning (WBL) experiences, preparing them for College, Career, and Civic Readiness (CCCR).



SAUNDERS HIGH SCHOOL BELL SCHEDULE

REGULAR BELL SCHEDULE

PERIOD 1	7:45 AM	8:39 AM
PERIOD 2	8:42 AM	9:24 AM
PERIOD 3	9:27 AM	10:09 AM
PERIOD 4	10:12 AM	10:54 AM
PERIOD 5	10:57 AM	11:39 AM
PERIOD 6	11:42 AM	12:24 PM
PERIOD 7	12:27 PM	1:09 PM
PERIOD 8	1:12 PM	1:54 PM
PERIOD 9	1:57 PM	2:39 PM

2 HR DELAY BELL SCHEDULE

PERIOD 1	9:45 AM	10:15 AM
PERIOD 2	10:18 AM	10:48 AM
PERIOD 3	10:51 AM	11:21 AM
PERIOD 4	11:24 AM	11:54 AM
PERIOD 5	11:57 AM	12:27 PM
PERIOD 6	12:30 PM	1:00 PM
PERIOD 7	1:03 PM	1:33 PM
PERIOD 8	1:36 PM	2:06 PM
PERIOD 9	2:09 PM	2:39 PM

SAUNDERS SPORTS PROGRAMS

HOME OF THE BLUE DEVILS



FALL SPORTS

SCHOOL TEAMS

Varsity Soccer - Boys
Varsity Soccer - Girls
JV Soccer - Boys
JV Soccer - Girls
Varsity Girls Volleyball
JV Girls Volleyball

DISTRICT TEAMS

Yonkers Brave Football
Girls Swimming
Cross Country
Boys Volleyball



WINTER SPORTS

SCHOOL TEAMS

Varsity Basketball - Boys
Varsity Basketball - Girls
JV Basketball - Boys
JV Basketball - Girls
Cheerleading

DISTRICT TEAMS

Boys Swimming
Indoor Track
Wrestling
Bowling



SPRING SPORTS

SCHOOL TEAMS

Varsity Baseball
JV Baseball
Varsity Softball
JV Softball

DISTRICT TEAMS

Boys Lacrosse
Girls Lacrosse
Boys Volleyball
Track & Field
Boys Golf
Girls Flag Football



Saunders Athletics
2024 - 2025

SCAN ME



SAUNDERS HS
GAME
SCHEDULES

SCAN ME

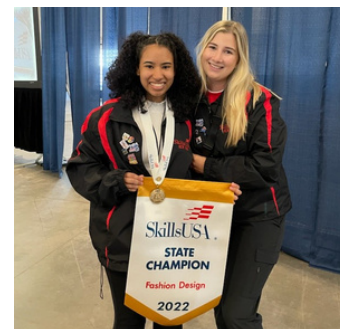


YONKERS
PUBLIC SCHOOLS
ATHLETICS
HOMEPAGE

SAUNDERS CLUBS/ACTIVITIES



Art Club	GO Store
Auto Club	Hamilton Club
Badminton Club	HVAC Club
Bio/Chem Club	Graphics Club (Lab 106)
Christian Club	Latin-American Club
Carpentry Club	Music Club
Cheerleading Club	My Brother's Keeper (MBK)
Class of 2025	My Sister's Keeper (MSK)
Class of 2026	National Honor Society (NHS)
Class of 2027	Newspaper Club
Class of 2028	PE Club
Coding Club	Pro Wrestling Club
Crochet Club	Robotics
Culinary Club	Skills USA
Event Committee	Unity and Empowerment
Exceptional Students	Varsity S Club (Athletics)
Fashion Club	Yearbook Club
Gay-Straight Alliance (GSA)	Youth 2 Youth
Gaming Club (Club 303)	



SAUNDERS CLUBS/ACTIVITIES



Parade of Curriculum Pep Rally
Spirit Week
Breast Cancer Awareness
Anti Bullying Awareness Week
Military Appreciation Day
Thanksgiving Food Drive
Share the Warmth Winter Clothing Drive
Doors of Saunders Holiday Decorating Contest
Holiday Spirit Week
Maria Fareri Children's Hospital Toy Drive
Hispanic History Month
Black History Month
Autism Awareness Month
Domestic Violence Awareness Day
Day of Beauty with Cerebral Palsy of Westchester
National Honor Society Induction Ceremony
Wall of Fame Induction Ceremony
Architecture Open House
Automotive Tech Skills Assessment
Bio/Chem and ECC Tech Prep Day
Cosmo Hair and Makeup Show
Culinary Cake Walk
Graphics Portfolio Day
Fashion Show
Carpentry Show
HVAC Annual Competition
Skills USA Competition
Saunders Student-Athlete Awards & BBQ
Senior BBQ
Senior Prom
Graduation



SAUNDERS MAGNET PROGRAMS



Saunders Trades & Technical High School offers 21st-century career and technical education (CTE) programming that prepares students for an entry-level job, college or both.

Saunders High School offers ten CTE magnet programs, all of which are endorsed by the New York State Education Department

Technical Programs: Architecture, Biology & Chemical Technology, Electronical & Computer Circuitry

Occupational Programs: Culinary Arts, Graphics Design, Cosmetology & Barbering, Fashion Design

Vocational Programs: Automotive Technology, Heating & Air Conditioning, Construction Technology

- Incoming freshmen will be placed in specialized programs they select on the School Choice application. Once a student is accepted to a Saunders program, he/ she is committing to the 4-year sequence. There are no program changes.
- All students must complete and pass the New York State required course, Career and Financial Management.
- The school day is arranged around a nine-period schedule with vocational, occupational and technical programs in a three-period block (10th, 11th, 12th grades)

SAUNDERS MAGNET PROGRAMS



All 12th grade magnets end in a mandatory senior exit project in order to graduate from Saunders Trades & Technical High School. This includes research, hands-on component, practical, and/or verbal presentations.

Any student that does NOT COMPLETE their assigned magnet program, Senior exit project, and/or NYS approved Industry exam will NOT graduate from Saunders Trades and Technical High School and will not cross the stage at our graduation. Students will be transferred to another YPS high school for graduation purposes and receive their diploma from his/her new high school.





ANIMATION

PROGRAM OVERVIEW

The brand new Animation program is focused on the study of 2D and 3D animation through rigorous studio practice as well as historical explorations of animated work from the late 19th century all the way through today's latest technological advancements.

Students will master a range of creative motion techniques while utilizing industry software like the Adobe AfterEffects, Illustrator, and Photoshop as well as the 3D modeling and animation program, Blender. Throughout their time in the Animation, students will study keyframe animation techniques, principles of animation like “squash and stretch”, “anticipation”, and “easing”, the history of animation and the moving image, storyboard development and script writing, cinematography, video editing/production, character design, visual effects, and more.

Projects and coursework begin with explorations of analog animation styles through flipbooks and stop-motion/“claymation” short films before progressing to more advanced digital keyframe, “character rigging,” and procedural animation techniques. Through their course of study, seniors in the program will complete an animation portfolio “sizzle reel” of their best work or a short film with which to apply for post-secondary study or professional work in the animation, film, visual effects, video game, and marketing/advertising industries.

MAGNET EXIT PROJECT: Sizzle Reel/Short Film Festival

TECHNICAL SKILLS

2D/3D Animation, Motion Graphics, Adobe AfterEffects, Illustrator, and Photoshop, Blender (3D modeling/animation tool), Video Editing, Visual Effects, Storyboarding, Video Rendering/Compositing, Basic Computer Programming

CAREER OPPORTUNITIES

2D/3D Animator for Film/TV/Video Games, Motion Graphics Artist in Marketing/Advertising, Storyboard/Concept Artist, VFX Artist.



ARCHITECTURE

PROGRAM OVERVIEW

The Architecture Technology program at Saunders Trades & Technical High School provides students with a comprehensive foundation in architectural design and drafting. The curriculum emphasizes both traditional and modern techniques, equipping students with skills in computer-aided design (CAD) and architectural modeling. Through hands-on projects, students learn to create detailed architectural plans and understand the principles of design, construction, and sustainability. The program also encourages creativity and problem-solving, enabling students to develop their unique design philosophies.

In addition to technical skills, the program fosters critical thinking and collaboration, often involving team-based projects that simulate real-world architectural challenges. Students engage with industry professionals through guest lectures and field trips, gaining insights into the architecture field. By the end of the program, graduates are well-prepared for further education in architecture or related fields, or for entry-level positions in the construction and design industry, having built a strong portfolio that showcases their capabilities.

TECHNICAL SKILLS

AutoCAD Drafting, Manual Drafting, 3D Printing, 3D Model Making, Laser Cutting, Blueprint Reading, Rendering, Estimating

CAREER OPPORTUNITIES

Architect, architecture drafting, mechanical drafting, civil designer, civil engineers, estimators, urban planner.



BIOLOGY & CHEMICAL TECHNOLOGY

PROGRAM OVERVIEW

Students in the Biology and Chemical Technology magnet will learn the techniques necessary to work in a college or industrial science lab. Students will understand the scientific approach to observation and inquiry. Students will also be well prepared to continue their education in laboratory sciences such as biology, environmental science, and chemistry. Students will be given the opportunity to explore various careers in science through shadowing and school to work programs.

Each student must do an individual research project that he or she will present in the end of the senior year. The projects vary as do the careers. Some examples of past projects include:

- Can methyl paraben in personal care products be quantified?
- Can oysters be reintroduced into the Hudson River?
- Is the oxybenzone in our suntan lotion really degrading?
- Can sunflowers be used to remove lead from water?

Students have presented their projects at local science fairs as well as ecological symposiums. Guest lecturers enhance our programs and enrich our students by sharing real world and career related experiences.

Student experiences are not limited to in-class activities. The course includes involvement with Community partners such as Groundwork Hudson Valley, The Center for the Urban River at Beczak, The science barge, and Trout in the classroom. Students can also take the AP exam in Environmental Science their senior year as well as earn credit from SUNY Westchester for their senior year.

ARTICULATION AGREEMENT: Westchester Community College

MAGNET EXIT PROJECT: Tech Prep Day

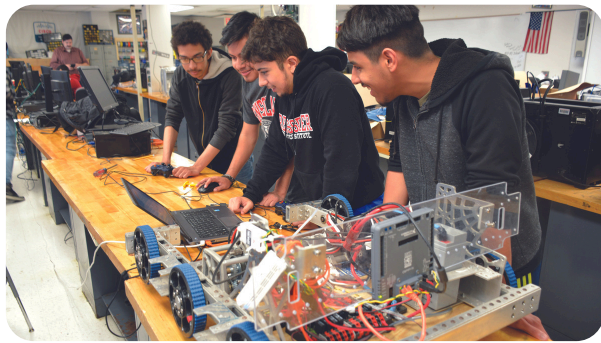
TECHNICAL SKILLS

Basic solution chemistry, Water Quality analysis, Soil analysis, Organism inventories, Bacteria culture, Algae culture, Basic hydroponics, Gel electrophoresis, Spectrophotometry, Light microscopy, Waste disposal, OSHA Safety Standards, Data analysis

CAREER OPPORTUNITIES

Biochemists and Biophysicists, Biological Technicians, Environmental Scientists, Environmental Engineers, Urban and Regional Planners, Environmental Law, Forensic Scientist, Doctor, Pharmacist, Teacher

SAUNDERS TRADES & TECHNICAL
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ELECTRONIC & COMPUTER CIRCUITRY (P-TECH)

PROGRAM OVERVIEW

The Electronic & Computer Circuitry (ECC) program at Saunders High School offers students a hands-on, comprehensive education in the fields of electronics, computer systems, and circuitry. Through a combination of classroom instruction and practical experience, students learn to design, build, and troubleshoot electronic circuits and devices, gaining valuable skills in areas like microelectronics, robotics, and circuit board design. The curriculum includes topics such as digital electronics, circuit analysis, and computer programming, preparing students for careers in the growing fields of technology and engineering.

As part of the P-TECH (Pathways in Technology Early College High School) program, the ECC track provides students with the opportunity to earn both high school and college credit, setting them on a pathway to earn an associate degree in a related field. P-TECH students also gain industry-relevant certifications and engage in real-world internships, allowing them to build a strong portfolio of skills and experience. This dual-focus approach ensures that graduates are well-prepared for higher education or immediate employment in the fast-paced technology sector.

ARTICULATION AGREEMENTS: Westchester Community College, College of Westchester

MAGNET EXIT PROJECT: Tech Prep Day

TECHNICAL SKILLS

Use of basic hand tools, Soldering, Use of Digital Multimeters, Use of Oscilloscope, Use of Printed Circuit Board, Design Software, AutoCad, AutoDesk Inventor, Use of Arduino, Use of 3D printers, Use of routing table, Fabrication of networking cables, Building and troubleshooting PCs, Use of Computer Aided Engineering Software, Use of Wifi/Bluetooth capable microcontrollers and sensors

CAREER OPPORTUNITIES

Computer programmer and analyst, robotics, technical support specialist, web developer, systems engineer, network engineer, field service technician, IT support technician, IT support administrator, electronics technician, bench technician

SAUNDERS TRADES & TECHNICAL
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CULINARY ARTS

PROGRAM OVERVIEW

The Culinary Arts Career and Technical Education (CTE) program at Saunders High School offers students a hands-on learning experience in the culinary industry, equipping them with the skills and knowledge necessary for success in food preparation, kitchen management, and hospitality. Through a combination of classroom instruction and practical training in state-of-the-art kitchen facilities, students explore topics such as food safety, nutrition, menu planning, baking, and international cuisine. The program emphasizes teamwork, creativity, and professional work ethics, preparing students for both postsecondary education and entry-level careers in the culinary field.

In addition to developing technical skills, the Culinary Arts CTE program at Saunders High School provides students with opportunities for real-world application through internships, catering events, and competitions. Students can earn industry-recognized certifications, such as ServSafe Food Safety Certification, enhancing their employability upon graduation. The program fosters a passion for culinary arts while promoting leadership, communication, and problem-solving skills, ensuring students are well-prepared to thrive in the dynamic and ever-evolving food service industry.

ARTICULATION AGREEMENTS: Westchester Community College, Monroe College

MAGNET EXIT PROJECT: Annual Cake Walk

TECHNICAL SKILLS

Safe & sanitary food handling, ServSafe certification, Operating kitchen equipment, Operating baking equipment, Restaurant operations, Knife skills, Hot food preparation, Cold food preparation, Cake decorating skills, Preparation methods of: cooking, breads, cakes, custards, pies, pastries

CAREER OPPORTUNITIES

Chef, Caterer, Baker, Food & Beverage Manager, Restaurant Manager, Nutritionist, Entrepreneur



COSMETOLOGY AND BARBERING

PROGRAM OVERVIEW

The Cosmetology program at Saunders Trades & Technical High School offers students a comprehensive education in beauty and personal care. This program is designed to equip students with both theoretical knowledge and practical skills in various aspects of cosmetology, including hair cutting, coloring, styling, skin care, and nail technology. Students engage in hands-on training in a well-equipped salon environment, which prepares them for real-world applications in the beauty industry.

In addition to technical skills, the program emphasizes professionalism, customer service, and business practices, essential for success in the cosmetology field. Students also have the opportunity to prepare for state licensure exams, allowing them to enter the workforce as certified cosmetologists upon graduation. Overall, the program aims to foster creativity and confidence, empowering students to pursue careers in the dynamic and evolving beauty industry.

ARTICULATION AGREEMENTS: College of Westchester, SUNY Morrisville

MAGNET EXIT PROJECT: Annual Hair and Makeup Show

TECHNICAL SKILLS

Properties of the Hair/Scalp, Shampooing/Conditioning, Hair Cutting, Artistry in Hair Styling, Hair Coloring, Manicures, Pedicures, Skin Care, Make Up Application, Salon Business Practices

CAREER OPPORTUNITIES

hair stylist, manicurist/pedicurist, salon owner, make-up artist, skin or nail technician, desairology, hair show coordinator, state licensing examiner, esthetician, color technician & perm technician

SAUNDERS TRADES & TECHNICAL
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FASHION DESIGN

PROGRAM OVERVIEW

The Fashion Design technology program is a four-year career and technical education program in the occupational studies branch at Saunders Trades and Technical High School devoted to the teachings on how garments are made for various apparel segments in the fashion industry. Students explore the fundamentals of garment construction such as professional draping, patternmaking, and professional sewing techniques. Students are prepared with the necessary tools to develop professional fashion design portfolios utilizing various fashion illustration and concept design methods.

Students will be exposed to the overall workings of a professional design studio in the areas of apparel and textile design. Students will gain the ability to execute a design idea from sketch to finished garment. Emphasis will be placed upon problem solving, creative thinking, the use of industry terminology, tools of the trade as well as 21st century career readiness skills.

ARTICULATION AGREEMENTS: College of Westchester, SUNY Oneonta, SUNY Delhi, Westchester Community College

MAGNET EXIT PROJECT: Annual Fashion Show

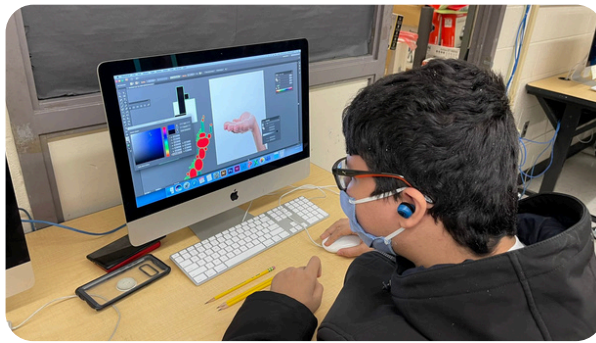
TECHNICAL SKILLS

Fashion Illustration, Garment Construction, Draping/Patternmaking, Trend Forecasting, Textile Science, Industrial Sewing, Business Focus on Merchandising and Marketing

CAREER OPPORTUNITIES

Fashion Designer, Merchandiser/buyer, Advertiser/promoter, Visual display specialist, Retail manager, Production manager, Technical designer, Clothing Alterations, Seamstress, Textile Designer

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GRAPHIC DESIGN

PROGRAM OVERVIEW

The Graphics Design curriculum offers a mix of academic and hands-on coursework. Students are exposed to digital design, traditional art methods, and professional workplace practices. The program offers instruction to prepare students for careers that focus on visual storytelling and using word and image to develop creative concepts. Students learn about emerging technologies and gain experience working with a Xerox Color Press printer, Canon scanners, and Apple computers. They are trained in industry standard software, including Adobe Illustrator, Photoshop, and InDesign, and are taught not only technical skills, but also how to think creatively. Graduates of the program demonstrate a mastery of these skills and are poised for positions in the industry as graphic designers, multimedia designers, package designers, and more.

During their senior year, students become curators of their own work, gathering their past pieces into a final portfolio. Their portfolios include observational still-life drawings and an array of digital work, including posters, package design, photo composites, and branding design. At the end of the year, students are required to present their work to a Portfolio Review panel of their peers and industry professionals. The seniors explain and defend their work and receive feedback. This experience helps prepare them for public speaking in college and the workplace. Portfolio Review also serves as a venue to showcase the artwork created by lowerclassmen, which further instills a sense of family and community among students in the program. The review provides an opportunity for all the students to see each other's work, which isn't always possible in the classroom setting.

Students in the Graphic Communications program gain specific practical and professional skills that give them an advantage over other college and job applicants. The program incorporates as much real-world work-based learning into the curriculum as possible.

ARTICULATION AGREEMENTS: College of Westchester, SUNY Farmingdale

MAGNET EXIT PROJECT: Annual Portfolio Review

TECHNICAL SKILLS

Adobe Creative Suite, Digital Photography, Marketing, Advertising, Typography, Professional Printing

CAREER OPPORTUNITIES

Illustration, Desktop Publishing, Digital Photography, Pre-Press Technician, Video Editing, Videography, Web Design, Animation, Commercial Photography, Film & Video Production, Graphic Design, Public Relations & Marketing



AUTOMOTIVE TECHNOLOGY

PROGRAM OVERVIEW

The Automotive Technology program at Saunders Trades & Technical High School offers students a comprehensive education in automotive technology, focusing on both theoretical knowledge and hands-on skills. Students engage in learning about vehicle systems, diagnostics, and repair techniques, covering essential topics such as engine mechanics, electrical systems, and brake systems. The curriculum is designed to prepare students for entry-level positions in the automotive industry, equipping them with the necessary tools and understanding to succeed in a rapidly evolving field.

In addition to classroom instruction, the program emphasizes practical experience through lab work and real-world applications. Students have access to modern equipment and tools, allowing them to work on actual vehicles and gain firsthand experience. The program also promotes industry certifications, which enhance students' employability upon graduation. By blending academic learning with practical skills, the Automotive program at Saunders Trades & Technical High School aims to foster the next generation of skilled automotive technicians.

ARTICULATION AGREEMENTS: Lincoln Tech, Alfred State College, SUNY Delhi, NYADI: The College of Automotive & Diesel Technology

MAGNET EXIT PROJECT: Skills Assessment

TECHNICAL SKILLS

Tool Use & Safety, Engine Performance, OSHA Safety Standards, Braking Systems, Suspension and Steering, Electronic Service, Information Systems

CAREER OPPORTUNITIES

Electrical technician, wheel alignment technician, brakes technician, automotive technician, auto sales, automotive parts specialist, auto reconditioning.



CONSTRUCTION TECHNOLOGY (P-TECH)

PROGRAM OVERVIEW

The Construction Technology Program at Saunders High School provides students with hands-on experience and foundational skills in the building and construction industry. This program equips students with the knowledge and techniques needed to succeed in various construction trades, including carpentry, electrical, plumbing, and masonry. Through a combination of classroom instruction and real-world projects, students learn to use industry-standard tools and equipment, develop safety awareness, and understand building codes and blueprints. The curriculum is designed to prepare students for entry-level positions or further education in construction-related fields.

As part of the P-TECH program, students in the Construction Technology pathway also gain access to opportunities for advanced learning and industry certifications. P-TECH (Pathways in Technology Early College High School) integrates high school, college, and career training, allowing students to earn both a high school diploma and college credits toward a career-focused degree in construction management or related fields. This innovative program ensures that students are not only job-ready but also prepared for post-secondary education and long-term career success in the growing construction sector.

ARTICULATION AGREEMENTS: Alfred State College, SUNY Delhi, SUNY Morrisville

MAGNET EXIT PROJECT: Annual Construction Technology Showcase

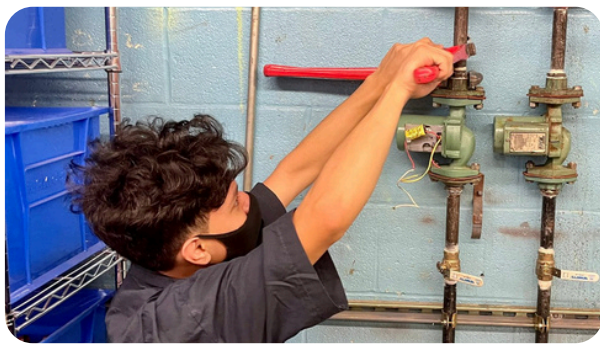
TECHNICAL SKILLS

Blueprint reading, Drafting, OSHA Safety Standards, Framing, Roofing, Siding, Trim Install, Drywall, Electrical Wiring, Plumbing, Window Installation, Door Installation, Floor Installation, Painting

CAREER OPPORTUNITIES

Carpenter, Framer, Plumber, Electrician, Architect, Home Energy Analysis Technician, Building Inspector, Cost Estimator, Engineer, Mason, HVAC Technician, Building Maintenance

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HEATING, VENTILATION & AIR CONDITIONING

PROGRAM OVERVIEW

Heating, Ventilation, Air Conditioning/Refrigeration (HVAC) introduces students to a major subdiscipline of mechanical engineering – the principles and fundamentals of heating, ventilation, air conditioning, and refrigeration systems. Instruction focuses on the fabrication, system installation, use of diagnostic equipment and the maintenance and troubleshooting of these various systems. Students learn how to work with electrical testing equipment; plastic, steel and copper pipe and tubing; sheet metal; hand tools; and specialized tools of the trade.

Students meeting all requirements of the Heating, Ventilation, Air Conditioning/Refrigeration program, including successful completion of practical and written assessments, will receive a Technical Endorsement on their Regents Diploma.

Students are also eligible to participate in career competitions through SkillsUSA

ARTICULATION AGREEMENTS: Lincoln Tech, SUNY Delhi

MAGNET EXIT PROJECT: Annual HVAC Competition

TECHNICAL SKILLS

AutoCAD Drafting, Tool Use and Safety, Soldering, Sheetmetal Fabrication, Electrical Wiring, Braising, Machinery Operation, Troubleshooting, OSHA Certification, EPA Certification

CAREER OPPORTUNITIES

HVAC Technician, Building Maintenance, Plumber, Business Owner, Pipe Fitter, Oil Burner & Heating Mechanic, General Contractor, HVAC Installer, Refrigeration Technician, Specifying engineer

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