

CONNECT.
CREATE.
INSPIRE.





OLD COLONY RVTHS

Old Colony Regional Vocational Technical High School is located on an 80-acre campus in Rochester, Massachusetts, the geographical center of the five-member town school district that includes Acushnet, Carver, Lakeville, Mattapoisett, and Rochester. Old Colony is committed to providing rigorous and relevant vocational-technical and academic programs. Graduates receive a high school diploma and a Technical Program Certificate of Completion.

Old Colony's four-year program of studies allows students to directly enter the job market as skilled workers or to continue their education at college, university, or technical school. As part of the Career Vocational Technical Education Program (CVTE) our students are eligible to earn college credit through articulated credit, courses, and early college placement. Students who meet specific criteria enroll in these courses at no cost. College credits can be awarded for technical training received at Old Colony from a variety of post-secondary institutions. Old Colony is fully accredited by the New England Association of Schools and Colleges.

MISSION STATEMENT

Our mission is to prepare and support students for the global demands of society and the workforce through rigorous, vocational-technical and academic courses. This foundation is established within a safe environment that values students' interest, needs, and diversity fostering responsible, productive citizens in our community.

Core Values:

COMMUNITY,
INTEGRITY,
PERSEVERANCE,
PROFESSIONALISM,
RESPECT



BELIEFS ABOUT LEARNING

- All students are provided with the most current vocational, technical, and academic courses of instruction that allow for differences in student interests, aptitudes and abilities.
- Students' compassion towards others is paramount in fostering interpersonal connections collaboratively to ensure a safe, productive and respectful learning environment.
- Each student establishes relationships with community organizations to maximize student learning and promote postsecondary and career opportunities.
- Students will develop effective communication and leadership skills that build upon traits creating reliable work ethic of a civic-minded, life-long learner.
- Students are encouraged to persevere with professional, academic, and personal integrity.

Approximately

50%

of seniors participate in
paid cooperative education
experiences

LEARNING EXPECTATIONS ACADEMIC & CAREER

OC Students are expected to:

- Develop critical thinking and reasoning skills
- Work independently and collaboratively
- Utilize technical skills and knowledge to solve problems
- Create individual education and career plan
- Communicate with clarity, focus, and consideration of audience and purpose

SOCIAL

OC Students are expected to:

- Exhibit professional skills and behavior
- Accept personal responsibility
- Demonstrate self-respect and empathy for others
- Collaborate with peers and school community

CIVIC

OC Students are expected to:

- Participate in community events
- Model the conduct required of an engaged and responsible citizen
- Demonstrate an understanding of civic duties within their local communities, while exploring global challenges



AUTOMOTIVE TECHNOLOGY

BUSINESS TECHNOLOGY

CAD DRAFTING

COSMETOLOGY

CULINARY ARTS

COMPUTER SCIENCE

ELECTRONIC ENGINEERING TECHNOLOGY

ELECTRICAL

HEALTH CAREERS

HOUSE & MILL CARPENTRY

GRAPHIC COMMUNICATION & DESIGN

MACHINE & TOOL TECHNOLOGY

METAL FABRICATION AND JOINING TECHNOLOGIES

PROGRAM OF STUDIES

CONNECT.
CREATE.
INSPIRE.





oldcolony.us



AUTOMOTIVE TECHNOLOGY

- Work on today's foreign, domestic, and alternative fuel cars and trucks in a rapidly changing industry
- Diagnose, maintain, repair and fine-tune a wide range of vehicles alongside an ASE Master Technician
- Use advanced diagnostic and repair equipment to troubleshoot complex automotive systems

Career Opportunities

Graduates find employment opportunities in entry level positions such as:

- | | |
|-------------------------|-----------------------------|
| • Apprentice Technician | • Lube Technician |
| • Parts Assistant | • Service Station Attendant |
| • Tire Technician | • Used Car Technician |

With advanced training they can enter these higher level positions:

- | | |
|-------------------------|-------------------------|
| • Mechanical Engineer | • Automotive Technician |
| • Service Manager | • Parts Manager |
| • Sales Manager | • General Manager |
| • Vocational Instructor | • Design Engineer |



CAD DRAFTING

- Transform ideas into products using the same design, drafting, and 3D modeling technologies as professional architects and engineers
- Find creative solutions to complex engineering and architectural challenges
- Develop a comprehensive portfolio with computerized architectural and mechanical drafting designs

Career Opportunities

Graduates find employment opportunities in entry level positions such as:

- Assistant Drafter/CAD Detailer
- Mechanical Drafter
- Architectural Drafter

With advanced training they can enter these higher level positions:

- Architect
- Civil Engineer
- Industrial Engineer
- Interior Designer
- Mechanical Engineer

“My boys are the first in our family to go to a vocational school. Their father and I always say what an amazing experience it has been. From the staff/classes, to the trades, to the athletics it has allowed them to become so well rounded and diversified. I truly believe it helped our oldest to get into the college of his choice.”

*Janice Wright
(parent of former and present student)*





HOUSE AND MILL CARPENTRY

- Operate a wide-range of professional power tools and computerized equipment to build innovative furniture and carpentry projects
- Work in all aspects of residential and commercial construction
- Work individually and in teams to design and construct meaningful projects for the community

Career Opportunities

Graduates find employment opportunities in entry level positions such as:

- Framers
- Finish Carpentry
- Roofing/Siding
- Millwork

With advanced training they can enter these higher level positions:

- Construction Supervisor
- Engineering
- Construction Manager
- Architecture



“Making the choice to attend Old Colony has had a tremendous impact on my life; I wouldn’t be where I am now had I chosen to go to high school anywhere else.”

*Chad Underhill
(2015 CIS graduate, WPI Graduate)*

COMPUTER SCIENCE

- Power the modern world by writing code for apps, games, cyber security, and websites
- Develop creative and unique software solutions to complex problems
- Program in advanced languages such as HTML, PHP, JAVA, C++, CSS, and JavaScript

Career Opportunities

Graduates find employment opportunities in entry level positions such as:

- Independent Game Designer
- Web Designer
- Programmer
- Quality Assurance Tester
- Mobile App Designer

With advanced training they can enter these higher level positions:

- Software Developer
- Systems Analyst
- Database Administrator
- Researcher
- Digital Forensics

BUSINESS TECHNOLOGY

- Turn big ideas into a working business. Collaborate with business owners and industry leaders to develop entrepreneurial spirit
- Create and execute transformational media campaigns
- Design and implement powerful marketing and management plans using a multitude of technologies to solve real world business challenges

Career Opportunities

Graduates find employment opportunities in entry level positions such as:

- | | |
|--|--------------------------------------|
| • Insurance Assistant | • Bookkeeping |
| • Accounts Payable/
Accounts Receivable | • Customer Service
Representative |
| • Retail Clerk | • Receptionist |
| • Administrative Assistant | • Bank Teller |

With advanced training they can enter these higher level positions:

- | | |
|---------------------|--------------------|
| • Retail Supervisor | • Business Manager |
| • Accountant | • Insurance Agent |
| • Event Planner | |





COSMETOLOGY

- Express your creativity by providing a wide range of artistic hair, nail, and skin care services
- Use professional techniques in a full-service salon and spa
- Work alongside professional cosmetologists while earning state licensure prior to graduation

Career Opportunities

Graduates find employment opportunities in entry level positions such as:

- Nail Tech
- Skin Care Tech
- Licensed Cosmetologist

With advanced training they can enter these higher level positions:

- Make-up Artist
- Barber
- Dermatologist
- Esthetic Nurse
- Manicurist
- Skin Care Consultant
- Esthetician
- Cosmetic Plastic Surgeon
- Salon Manager



CULINARY ARTS

- Create and present delicious gourmet masterpieces while working in a full-service restaurant
- Cook alongside professional chefs preparing appetizers, entrées, and desserts to everyone's delight
- Express your individual creativity as part of a team that develops unique culinary experiences

Career Opportunities

Graduates find employment opportunities in entry level positions such as:

- Prep Cook
- Line Cook
- Dishwasher
- Baker's Assistant
- Wait Staff

With advanced training they can enter these higher level positions:

- Sous Chef
- Kitchen Manager
- Food Service Director
- Hospitality Director
- Restaurant Manager



Our Culinary Arts Department runs The Cougars' Den, a full-service restaurant open to the public. *Learn more at www.oldcolony.us*





ELECTRICAL

- Control electricity to power the world
- Harness your power by becoming a licensed electrician in residential, commercial and industrial wiring systems
- Earn apprenticeship experience towards a journeyman's license while working with licensed Electricians

Career Opportunities

Graduates find employment opportunities in entry level positions such as:

- | | |
|---|---|
| • Apprentice Electrician | • Fire Alarm Technician |
| • Security System Installer | • CCTV/Security Camera Installer |
| • Cable TV Technician (Comcast) | • Home Theater Installer |
| • Telecommunications Technician (Verizon) | • Electrical Union Apprentice |
| | • Electrical Sales Associate/ Electrical Distribution |

With advanced training they can enter these higher level positions:

- | | |
|---|---|
| • Licensed Journeyman Electrician | • Electrical Foreman |
| • Licensed Master Electrician | • Project Manager |
| • Solar Electric Installer | • Electrical Estimator |
| • Electrical Contractor/ Business Owner | • Home Automation Integrator |
| • Power Technician /Linesman (NSTAR/National Grid/Eversource) | • Electrical Instructor (Vocational/Trade School) |



ELECTRONIC ENGINEERING TECHNOLOGY

- Invent, design, and produce solutions to complex engineering challenges from concept to completion
- Create the electronic components that operate game consoles, cell phones, iPads, and advanced robotic devices
- Work with information technology specialists to design, install, and troubleshoot complex computer network

Career Opportunities

Graduates find employment opportunities in entry level positions such as:

- Electronic Service repair Technician
- Engineering Technician
- Computer And Network Hardware Support
- Manufacturing Equipment Technician
- Entry Level Biomedical Technician

With advanced training they can enter these higher level positions:

- Electronics Engineer
- Field Service Engineer
- System Designer
- Computer Engineer
- Robotic Design and Engineering
- PCB Designer
- Component Engineer
- Biomedical Technician/Engineer





GRAPHIC COMMUNICATION & DESIGN

- Design, produce, and deliver a wide range of creative promotional materials for print media
- Express your unique artistic vision by creating dynamic illustrations, computer animations, and digital photographs
- Showcase your unique talents by creating a digital portfolio for college and career

Career Opportunities

Graduates find employment opportunities in entry level positions such as:

- Junior Graphic Designer
- Digital Print Associate

With advanced training they can enter these higher level positions:

- Senior Graphic Designer
- Creative Director
- Print Specialist
- Multimedia Artist/Animator
- Art Director
- Illustrator
- Production Designer
- Self-employed Entrepreneur



Our Graphic Communication
& Design department offers
design services to the
surrounding communities.
Visit www.oldcolony.us
to learn more.

HEALTH CAREERS

- Help others by improving the quality of patients' lives
- Explore a wide range of healthcare careers
- Participate in clinical rotations in hospital and acute-care facilities to enhance the quality of patients' lives

Career Opportunities

Graduates find employment opportunities in entry level positions such as:

- Certified Nursing Assistant
- Hospital Care Staff
- Nursing Home Staff
- Daycare Staff
- Assisted Living Staff
- Home Care Staff

With advanced training they can enter these higher level positions:

- Nurse
- Doctor
- Surgeon
- All Allied Health Fields

Old Colony
has over a

99%

graduation rate





MACHINE AND TOOL TECHNOLOGY

- Invent, design, and engineer high-tech precision parts for the military, medical, and telecommunications industries
- Use advanced computer technology to create 3D prototypes
- Dive into the fields of Mechanical and Manufacturing Engineering

Career Opportunities

Graduates find employment opportunities in entry level positions such as:

- Machine Operators
- Inspector
- Machinist

With advanced training they can enter these higher level positions:

- CNC Programmer
- Setup Person
- CMM Technician
- Teacher
- Engineer



METAL FABRICATION AND JOINING TECHNOLOGIES

- Drill, bend, cut, punch, join, and manipulate many types of materials to create artistic sculptures
- Control fire and electricity to design, dismantle, and weld a wide range of metal products
- Design layout patterns, interpret blueprints, and adhere to engineering specifications

Career Opportunities

Graduates find employment opportunities in entry level positions such as:

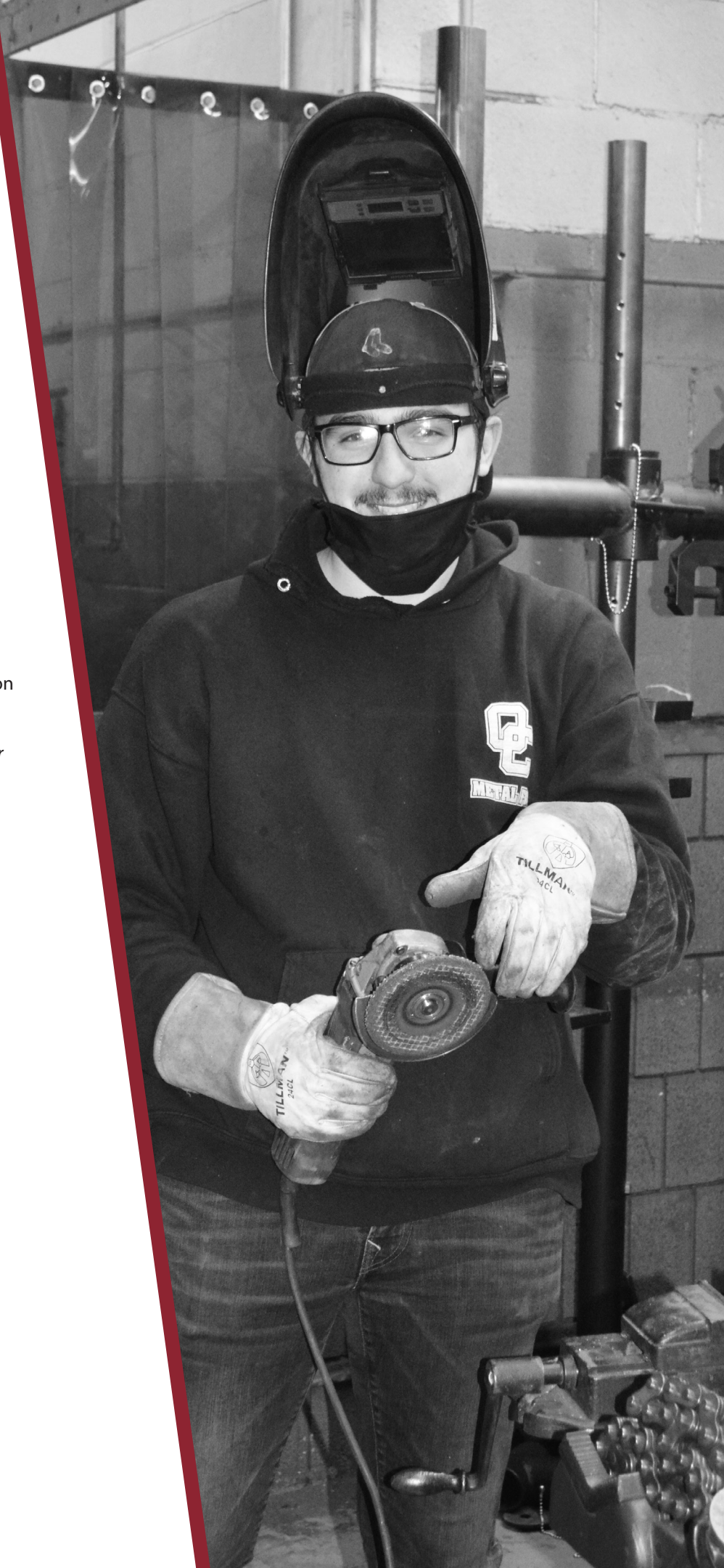
- Apprenticeships in any of the local metal trades both union and non-union - pipefitter, pipe welder, iron worker, sheet metal worker, boilermaker, millwright, shipbuilders, production workers and production assemblers

With advanced training they can enter these higher level positions:

- Structural Engineer
- Nuclear Welder
- Underwater Welder
- Robotics Engineer
- Journeyman in the Metal Trades
- Self-employment

91%

of students attend
post-secondary education
or begin employment in
their technical field upon
graduation





ACADEMICS

ENGLISH LANGUAGE ARTS

- English Honors and CP
- AP English Language and Composition
- AP English Literature and Composition

MATHEMATICS

- Algebra I Honors & CP
- Algebra II Honors & CP
- Geometry Honors & CP
- Trigonometry
- Algebra & Trigonometry Applications
- Precalculus Honors
- AP Calculus AB

SCIENCE

- Technology & Engineering Honors & CP
- Biology Honors & CP
- Chemistry Honors & CP
- Marine Biology
- Physics Honors & CP
- Forensics

SOCIAL STUDIES

- US History I Honors & CP
- US History II Honors & CP
- Modern World History Honors & CP
- US Government Honors & CP

PHYSICAL EDUCATION and WELLNESS PROGRAM

- Physical Education & Fitness
- Health & Wellness Education

Cougar time: Electives & Enrichment

Intro to Yoga • Sports Psychology • Financial Literacy • Art, Film and Media Studies
Academic Support • Flag Football • Kickball • Hot Topics: Round Table Discussion
Mindfulness & Athletic Performance • Students Teaching Students
Genius Hour (independent Study) • Wellness and Mindset • Badminton

CONNECT. CREATE. INSPIRE.



oldcolony.us



ENGLISH LANGUAGE ARTS

The goal of the English Language Arts Program is to provide literature-based education founded on intensive reading, writing, speaking and listening skill mastery. Over the four-year course of studies, the students will be presented with curriculum that will scaffold skills necessary for post-secondary goals of continued education and placement in the work force. The program provides students with a solid body of knowledge derived from the following: reading high quality works of literature; discerning characteristics of and approaches to fiction, non-fiction, prose, verse, drama, and informational texts, incorporating multi-faceted technologies; gaining experience in confronting global issues and conflicts. Benefiting from a curriculum aligned to the Common Core Standards, students at Old Colony RVTHS will develop the skills necessary to become critical readers and effective writers of research, formal argument, and expository essays. In addition, students receive a strong background in mastering extended texts, while synthesizing and analyzing a variety of sources.

MATHEMATICS

Honors, and the College Prep Math courses are offered for students in grades 9, 10, 11, & 12. The Honors courses are designed for those students who have a strong background in mathematics and are planning on pursuing higher education. College Prep courses are designed for students planning on attending technical schools, two-year colleges or furthering their study in their chosen vocational area, entering the workforce or military service. All levels prepare students in their Freshman and Sophomore years for the MCAS test. In their Junior year, the course work becomes more specific to graduation plans. Placement in all mathematics courses after Algebra I is contingent upon successful completion of the prerequisites and teacher recommendation. All students must pass four years of mathematics.



SCIENCE

In all science courses students engage in hands-on learning experiences in a variety of physical and life sciences. Coursework addresses both content knowledge and the application of the science and engineering practices. Science courses give students dynamic and relevant opportunities to refine and communicate science understandings and to be well prepared for civic life, postsecondary education, and career success. Grade 9 coursework also prepares students for success on the MCAS Biology test.

SOCIAL STUDIES

In history courses, students deepen their understanding of both US and World History. History coursework teaches students to interpret and synthesize complex ideas about individuals, groups, events, and institutions. Through various written, oral, and performance assessments students expand their capacity for historical, economic, political, and geographic reasoning. Emphasis is placed on critical analysis of primary sources and using evidence and perspective taking to engage in meaningful discourse around the human condition.

PHYSICAL EDUCATION AND WELLNESS PROGRAM

The mission of Physical Education and Wellness at Old Colony High School is to encompass a well-balanced program that prepares students with the knowledge and skills necessary to be physically fit and healthy for life in the 21st century. Growing scientific evidence is showing a significant connection between physical fitness and the cognitive, emotional, and social well-being of the individual, which makes regular participation in physical education more crucial to all aspects of life. Students will gain a fundamental understanding about the importance of lifelong fitness in a safe and enjoyable environment. The Health Education program is designed to meet the National Health Education Standards. It addresses physical, social and emotional issues facing students to help them develop healthy lifestyles.

BASEBALL

BASKETBALL (GIRLS & BOYS)

CHEERLEADING

CROSS COUNTRY

FOOTBALL

GOLF

LACROSSE (GIRLS & BOYS)

SOCCER (GIRLS & BOYS)

SOFTBALL

VOLLEYBALL

ATHLETICS

*2x Recipient of the Walter Markham Award for the
winningest DII Vocational Athletic Department
in Massachusetts.*

CONNECT.
CREATE.
INSPIRE.





oldcolony.us



PHILOSOPHY OF ATHLETICS

Old Colony Regional Vocational Technical High School will strive to provide our students with the finest Athletic Program possible. The athletic facilities, equipment, uniforms, and coaching must be of the highest caliber. Regardless of number, we will try to involve as many students as possible, both male and female. Every experience, practice, or game should be instructional and enjoyable. Discipline, fair play, good sportsmanship, and conduct must be of prime concern for all coaches.

68%

Old Colony
students are multi-sport
athletes

ATHLETIC MISSION

The Mission of the Athletic Department is to support and supplement the mission of the Old Colony School System by providing interscholastic sports programs. We are committed to the personal development and well being of our student-athletes and staff. Through its offerings, the Athletic Department plays an integral part in preparing our student-athletes for citizenship, service and leadership by emphasizing teamwork, self-discipline, personal responsibility and the setting of high standards and achieve.

Sportsmanship

Old Colony RVTHS is committed to creating and promoting sportsmanship and ensuring healthy environments for competition.

Principle of Sportsmanship

- Respect
- Responsibility
- Good Citizenship
- Fairness

We strongly recommend getting involved in our athletic programs. Students who are interested in participating in one of the programs should contact Matt Trahan, Athletic Director. All students-athletes must have a completed permission form signed by a parent/guardian. In addition, all students-athletes are required to have passed a physical examination within the last 13 months.



CLUBS & ACTIVITIES



BROADCASTING &
PRODUCTION

DRAMA CLUB

GAY/STRAIGHT ALLIANCE

INTERNATIONAL TRAVEL

MUSIC

NATIONAL HONOR SOCIETY

NEWSPAPER

NON-TRADITIONAL

ROBOTICS

SKILLSUSA

STUDENT COUNCIL

CHESS

NOVEL SOCIETY

ENTREPRENEURSHIP CLUB

100%

of Old Colony students
are SkillsUSA members

PROMOTION

In order to graduate from Old Colony, each student must complete four (4) years of high school and a minimum number of courses as outlined below. For the classes of 2020, 2019, and 2018, all grades must successfully complete all core courses in order to be promoted.

Core courses include: English, Math, Science, Social Studies, Shop Related, and Shop. Old Colony offers additional course options in Physical Education, Health, Academic Support, Digital Literacy, and Life and Career Skills.

Students found to be deficient in fulfilling the academic requirements for promotion and/or graduation must attend a summer school program during July and August. Prior approval must be obtained from Old Colony Guidance Department before enrolling in any summer courses and evidence of the satisfactory completion of all summer courses (with at least a grade of "C") must be submitted. Any student who does not attend, does not meet the attendance requirements, or does not pass all of their required academic summer courses (with at least a grade of "C") to promote into the next grade level, forfeits his/her enrollment to Old Colony RVTHS. Since shop grades constitute 1/2 of the year's credit, there are no provisions for any shop make-up.

All students will be required to complete a student portfolio as a graduation requirement, and that the portfolio will be a condition of promotion from each grade. Students must pass each of the MCAS tests required by the Commonwealth of Massachusetts Department of Education.







VISIT oldcolony.us



CONNECT.
CREATE.
INSPIRE.

