

— ARTISAN REPORT —

NOVEMBER



ARTISAN  
IMPRINT  
IMPACTING OUR FUTURE





# ALL ABOUT SCIENCE

GNBVT has been awarded a grant from the Massachusetts Life Sciences Center for \$51,533! Thanks to the hardworking efforts of science teacher, Scott Atkinson, Science Department Head, Erin Wallace and Allen Duarte, Grant Writer, who worked along side other members of the department to write the grant.



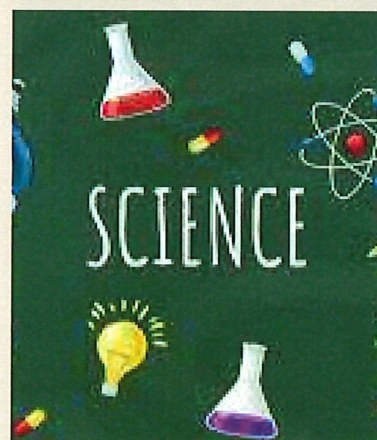
**ELIZABETH  
DACOSTA  
SAMANTHA  
GROCHMAL**



**ERIN  
GONSALVES  
AARON  
PETRUSKI**

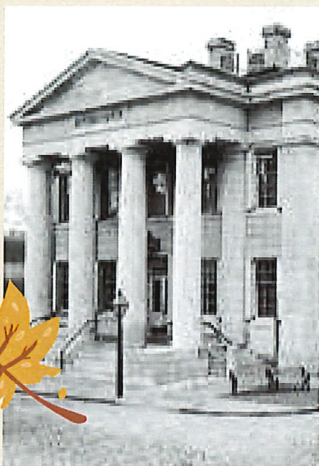


tellurium 52 <b>Te</b> 127.60	actinium 89 <b>Ac</b> [227.03]	hydrogen 1 <b>H</b> 1.008	erblum 68 <b>Er</b> 167.26
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# ALL ABOUT SOCIAL STUDIES



GNBVT began its newest required course in September for seniors, American Government & Politics. This course was prompted by the 2018 Massachusetts legislation to promote and enhance civic engagement in the new history and social science framework. Included in the legislation is the requirement that each student be afforded the opportunity to participate in at least one non-partisan action civics project. In addition, students study the origins, structure, functions of the national government; civil rights and liberties; political participation behavior, as well as policy formation and development

**THANK YOU FOR YOUR PREPARATION & IMPLEMENTATION OF OUR  
SENIOR AMERICAN GOVERNMENT & POLITICS COURSE**

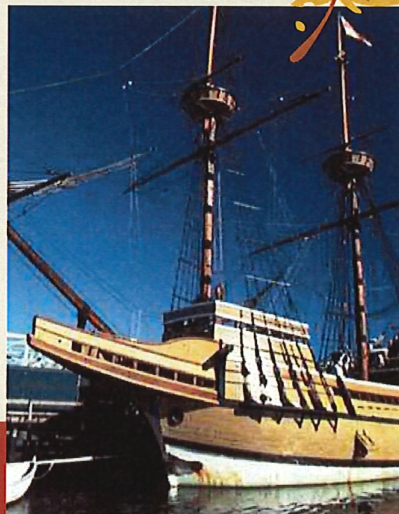
**TIM  
MCCARTHY**

**BRIAN  
PATNAUDE**

**SCOTT  
PARKER**



**CIVIC  
PROJECT**







# ALL ABOUT ACADEMY C

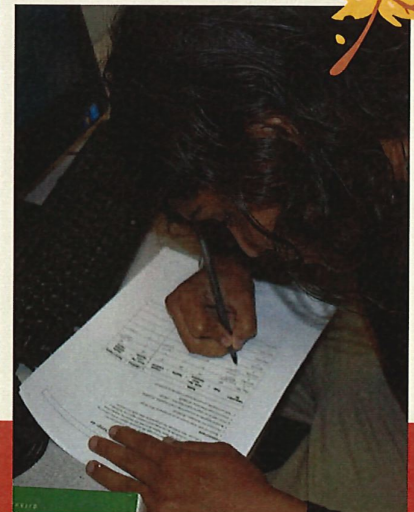
Automotive Technology – Students and instructors have serviced over 50 vehicle as of the end of October. Live work prepares students for placement as well as co-op jobs when the time comes, but more importantly they have gained valuable work experience prior to entering the workforce.

A few post-secondary institutions to have presented to our grade 11 & 12 students so far this year, are Universal Technical Institute, Mass Bay Community College, and the University of Northwestern Ohio.

## BUSINESS TECHNOLOGY

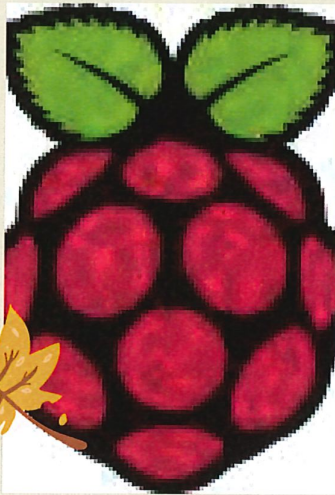
The Den at GNBVT has finally opened for students, staff and community members selling branded apparel and school supplies!

"We are extremely fortunate to work with and have access to a multitude of resources and in-house career and technical programs. Thank you to everyone who made our vision become a reality," - Jennifer Carreiro & Crystal Vasconcellos Ripley via a press release.



some photos shown are pre-pandemic





# ALL ABOUT ACADEMY C

Information Technology - CIT instructors Rick Quintin & Charlie Glover collaborated to update this year's exploratory experience by adding small single-board computers, called Raspberry Pi's, to the curriculum. These mini-computers were assembled by last year's freshman CIT class and networked by this year's senior ISSN students.

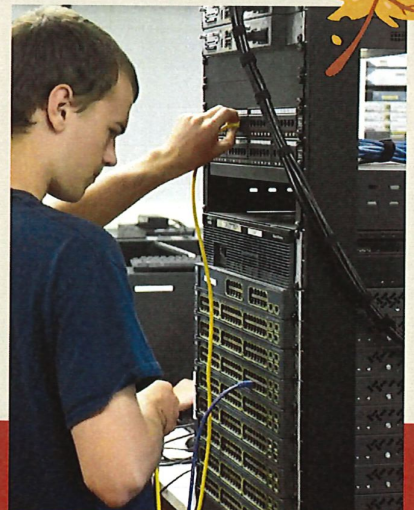


## COLLISION TECHNOLOGY

**NIGEL FIALHO**



Since the beginning of the year, no less than 5-7 vehicles have been in the shop at any given time, with up to 12 vehicles on some days. The program has serviced close to 60 vehicles to date, from fully customized details to repairing vehicles with extensive damage bringing them back to a pristine state.



most photos shown are pre-pandemic



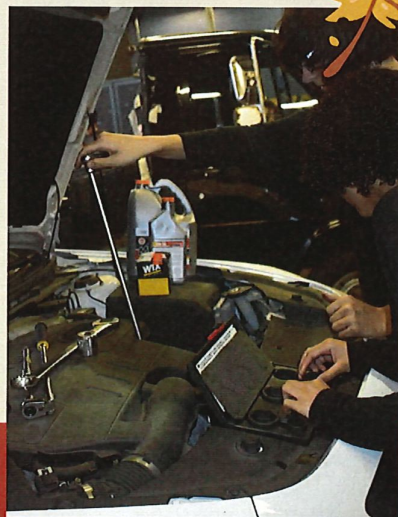
# ALL ABOUT ACADEMY C

Diesel Technology - Seniors continue to service the City of New Bedford's DPW diesel truck fleet, performing various preventative maintenance inspections and repairing any defects. Junior students have begun working on customer vehicles in addition to preparing for local SkillsUSA competition. Sophomore students have begun preliminary skills testing with observations of their hands on use of tools, shop equipment, and following all safety protocols. Freshman continue to move through the exploratory phase.



## COSMETOLOGY

Seniors are learning new concepts and techniques in the area of textured services and preparing for their State Licensing Exam. Changes were had to the Massachusetts CVTE Frameworks and the state is offering additional professional development training in the subject matter. All four teachers in the program will be taking part in this state-sponsored professional development workshop early next year. Juniors are learning about hair color and color theory. Hair coloring is a service where students can really showcase their skillset and their creativity. Sophomores have been working on thermal service, safety and communication skills while working on mannequins before working on a classmate, putting their skills into practice on their "client". Freshman are learning about the various careers related in the field such as stylist, color specialist, retail sales, salon owners, and cosmetic sciences.



most photos shown are pre-pandemic



# COOPERATIVE EDUCATION

We have gotten off to a great start this year. Employers have been continually calling GNBVT to fill their jobs. The list of co-op students is continuing to grow. The numbers below are senior students in their career field who are eligible and willing to go to work. January 24th junior students who have completed the required competencies in their shop program will be eligible with their shop teacher's recommendation.

AUTOMOTIVE-2  
HEALTH SERVICES-18  
COLLISION REPAIR-3  
HVAC-3  
CARPENTRY-7  
LEGAL PROTECTIVE-3  
CULINARY ARTS-2  
MEDICAL ASSISTANT-22  
DENTAL ASSISTING-14  
METAL JOINING/FABRICATION-5  
DIESEL SERVICES-2  
MACHINE TECH-2  
DRAFTING-1  
PLUMBING-4  
ELECTRICAL-18  
STATIONARY ENGINEERING-3  
EARLY CHILDHOOD EDUCATION- 19  
TOTAL- 128 SENIORS

The 128 students and counting has been a team effort. From the CVTE teachers with connections to their industry are constantly touting their students' abilities and working with employers seeking to hire young talent. Academy Administrators working with their teachers inquiring how we can improve our CVTE programs and increase co-op opportunities. Program Advisory Board members willing to hire or recommend hiring our students to other businesses. Academic teachers bending over backward to help students improve their grades to 70 and beyond. Mrs. Letendre finding Placement opportunities to get our students a foot in the door, which lead to a co-op opportunity. Ms. Labrecque, continually tracking the hours worked and ensuring Student Evaluations are turned in. Mrs. Richard helping students who come to the co-op office. Ms. Martin and Mrs. Nobrega, both from Attendance, helping track student whereabouts and ensuring proper record-keeping. Mr. Williams supporting Cooperative Education and believing in students having an opportunity to gainful employment.





November 2021

## Science Artisan Report

The Science Department welcomes four new faculty/staff to the team. Elizabeth DaCosta and Samantha Grochmal are the new Teaching Assistants. Both have experience in classroom and lab environments. They will be assisting teachers in their classrooms as well as preparing lab activities and materials.

Erin Gonsalves and Aaron Petruski are our 2 new Chemistry teachers. Erin has been teaching Chemistry for 13 years and is excited to teach here at GNB Voc-Tech. Aaron has been teaching Science and Math for 16 years and is also excited to start a new journey here at our school. We are very excited for them to be a part of the Science Department.

We are excited to announce that the Science department has received the Massachusetts Life Sciences Center grant again. Scott Atkinson, Erin Wallace and Allen Duarte worked alongside other members of the department to write the grant. We were awarded \$51,533 which will go to enhancing our Biotechnology course with up to date equipment and supplies. The grant will also allow us to add new curriculum materials pertaining to Biotechnology in the Human Body Systems and Botany classes. Using this new equipment will allow for extensions using the current curriculum and adding additional extending labs and activities.



In September, the Social Studies Department began the implementation of its newest required course, American Government and Politics. This one credit, trimester course was prompted by the 2018 Massachusetts legislation to promote and enhance civic engagement in the new history and social science framework. Included in the legislation is the requirement that each student be afforded the opportunity to participate in at least one non-partisan action civics project. In addition to the action civics project, students study the origins, structure, functions of the national government; civil rights and liberties; political participation behavior; as well as policy formation and development. The course also addresses the role and responsibilities of local, state and federal government in the context of addressing issues related to contemporary America.

The capstone of the course is the student-led action civics projects that requires Greater New Bedford Voc-Tech students to examine issues from the community, local, state and national level. Students complete fact finding and reflection tasks, research and investigate, develop an action plan, identify important decision makers and influencers and then take real action. Students in the American Government class have the option to take on important topics collectively, or work on personal projects. Topics and projects currently being worked on in the first trimester include environmental awareness, gun violence, mental health issues and drug related problems. Hypo local issues being addressed by students include the Kings Highway construction, student parking, dress code and school lunch options. Class instructors, Mr. McCarthy and Mr. Parker deserve recognition and acclamation for the work they have done preparing for and implementing this new course. The response from students to the new course and its action civics project requirement has been positive. This important new part of the senior course of study provides students with real life opportunities to make changes and build the skills they need to be active citizens upon graduation.



## **Academy C Artisan Report – 11-2021**

### **Automotive**

The automotive department has had a busy start to the new year. The students, along with their instructors, have serviced over 50 vehicles so far. Some of the services provided include air conditioning, front end alignments, oil changes, brakes, and tire repair/replacements, cooling system repairs, check engine lights, and the list goes on. These opportunities enable the students to deal with real world challenges repairing vehicles to the highest industry standards. Live work prepares students for placement as well as co-op jobs when the time comes, but more importantly they have gained valuable work experience prior to entering the workforce.

Every year automotive students are exposed to post secondary opportunities that are available through various automotive programs. Currently, Universal Technical Institute, Mass Bay Community College, and the University of Northwestern Ohio have presented at the school this year to our junior and senior classes. Students learned about the different opportunities available and the process involved in applying to these programs during the presentations. We are attempting to re-engage New England Institute of Technology again this year with a tour of their campus as these types of tours have been on hold for the past two years due to the pandemic.

### **Business Technology**

#### **An extension of some learning': New Bedford Voc-Tech's store continues to provide lessons**

Kerri Tallman Standard-Times

The Den at Greater New Bedford Voc-Tech has finally opened for students, staff and community members selling branded apparel and school supplies.

A project that has been in the works for many years, the construction of The Den has offered hands-on learning opportunities for students and staff alike.

"We are extremely fortunate to work with and have access to a multitude of resources and in-house career and technical programs. Thank you to everyone who made our vision become a reality," said instructors Jennifer Carreiro and Crystal Vasconcelos Ripley in a press release.

Voc-Tech students contributed to the construction, renderings, design and business model of The Den, said school officials. Due to the pandemic, the project's timeline was extended, but Career Vocational Technical Education students worked hard in spite of the setback to get The Den up and running, according to Superintendent-Director Michael Watson. The students gained real-life experience throughout the process and are now able to see how they contributed to the physical plans, Watson continued.





**The Den Ribbon Cutting**

L- R: SC Michael Shea, Supt. Michael Watson, SC Chair Frederick Toomey, SC Wayne Oliveira, SC Rita Rebeiro, & Former Supt. James O'Brien

The store will be operated mainly by the Business Technology instructors and students to "create an ongoing, real-world business operations experience." "It's not only a product, but an extension of some learning," Watson said. Although students who have contributed get to enjoy the store while they are enrolled at Voc-Tech, it is a project that they will remember and share with their children who could potentially attend Voc-Tech someday as well, Watson said.

According to the press release, "The Den represents the true meaning of what it means to be an artisan and embodies the core values of preparation, passion and perseverance."

At the soft opening on Oct. 20 following the fall school advisory dinner, attendees were able to shop for merchandise in The Den for the first time. The grand opening to students will be on Oct. 27 from 8 a.m. to 2 p.m. and The Den will be regularly open on Fridays. The Den accepts cash, checks and credit card payments. The school will announce ongoing updates on social media.

### **Collision Technology**

To begin the start of another school year, the Collision Technology Program is proud and excited to have Nigel Fialho join the team as the new Related Teacher. Mr. Filho is a former graduate of the GNB Voc-Tech Collision Technology Program and has been working out in the field for the past 6 years. Prior to returning to GNB Voc-Tech, he excelled in all areas of the collision repair industry just as he did while in school and will be a welcomed addition to the program. His experience in the trade will help the momentum the program has built over the last four years in attracting freshman students to the program. While in the shop, he will help further expand the curriculum by commingling theory with practical hands-on work with our students.

Since the beginning of the year no less than 5 - 7 vehicles have been in the shop at any given time, with up to 12 vehicles on some days. The program has serviced close to 60 vehicles to date from fully customized details to repairing vehicles with extensive damage bringing them back to a pristine state. The live work has provided invaluable training for the students. We look



forward to another great year with the support of our administration and the overall continued positive transformation of the Collision Technology Program.

### **Cosmetology**

Over the past few months the Cosmetology students have been diligently working developing and learning new skills.

Seniors have been reviewing previous competencies, learning new concepts and techniques in the area of textured services. Students are perfecting their skills completing assignments in traditional and specialty perm wrapping. They are also working on hair relaxing and textured hair. Textured services is an area where changes were made to the CVTE MA Frameworks and the state is offering additional professional development training in the subject matter. All four teachers in the program will be taking part in this state sponsored professional development workshop early next year. Seniors are also reviewing and preparing for their State Licensing Exam. All students are working diligently both in shop and the related classroom in preparation for the exam reaching their goal of becoming a licensed professional Cosmetologist.

Juniors have begun learning about Hair Color. Students have gone back to the basics reviewing color theory and putting that knowledge towards haircoloring. Juniors have already covered topics of temporary, semi/demi permanent color and will soon be practicing permanent hair coloring services. Hair coloring is a service where students can really showcase their skillset and their creativity.

Sophomores have been working on thermal services. Those services include blow-dry styling, curling/flat ironing and the safe usage of the tools. Students first perform these services on mannequins, but then with a class partner. They are also working on developing their communication skills as they consult with their "clients" putting their skills into practice.

Freshman Exploratory students are being exposed to various hair, nail, and skin care. They perform basic manicure, skin care, and thermal services and complete a color project to provide them with a basic, but broad view of the industry. During their time they have been given the opportunity to learn about various careers related in the field such as stylist, color specialist, retail sales, salon owners, and cosmetic sciences.

The field of Cosmetology is constantly evolving, especially in the area of technology and product development. With that being said, the role of the cosmetologist cannot be replaced by technology, but can support and enhance the trade when combining communication skills, professional relationships, technical skill sets and creativity making a client feel and look better. The value of the cosmetology profession will never go "out of style".

### **Diesel Technology**

The Diesel senior students in the shop have started the year with a student out on Co-op at Colonial Chevy. We hope to see other senior students in the not too distant future, with juniors midway through Trimester 2, following suit heading out to co-op positions.



Senior students continue to service the City of New Bedford's DPW diesel truck fleet. Currently a 10-wheel flatbed is in the shop to start the year. Student's have replaced the two front brake chambers. The air brake chambers convert air pressure force into mechanical push rod force engaging the brake shoes on the brake system to stop the vehicle. Students continue to perform preventative maintenance inspections on the fleet repairing any defects helping to keep the City's fleet up and running with minimal disruptions.

Junior students in the shop have begun working on customer vehicles. In addition to live work, they have started preparing for our local SkillsUSA competition. The top three students will represent the Diesel Service program at the SkillsUSA District Competition.

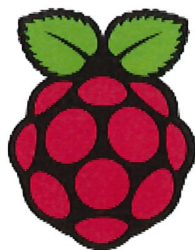
Sophomore students have begun preliminary skills testing with observations of their hands on use of tools, proper use of shop equipment, and following all safety protocols.

Freshman students are currently moving through the exploratory phase and it is hoped that the program will finish a strong year with first, second, and third choice picks.

Lastly, anyone interested in learning more about our Diesel program is welcomed to visit both our shop and related classroom to gain some first hand knowledge of what our students do every day.

### **Information Technology**

CIT instructors Rick Quintin and Charlie Glover collaborated to update this year's exploratory experience by adding small single-board computers, called Raspberry Pi's, to the curriculum. These mini-computers were assembled by last year's freshman CIT class and networked by this year's senior ISSN students. The project combines hardware, networking and programming elements to allow exploring freshmen to see the interconnectivity within the CIT, PW and ISSN shops. The raspberry pi can be used to program sandwich boards through the Python programming language, but students best enjoy being able to play Minecraft together in the same world through a wireless router set up in the classroom.





Cooperative Education has gotten off to great start this year. Employers have been continually calling GNBVT to fill their jobs. The list of Co-op students is continuing to grow.

The Cooperative Education Student Numbers thus far as of November 2, 2021

<b>Automotive-2</b>	<b>Health Services-18</b>
<b>Collision Repair-3</b>	<b>HVAC-3</b>
<b>Carpentry-7</b>	<b>Legal Protectice-3</b>
<b>Culinary Arts-2</b>	<b>Medical Assistant-22</b>
<b>Dental Assisting-14</b>	<b>Metal Joining/Fabrication-5</b>
<b>Diesel Services-2</b>	<b>Machine Tech-2</b>
<b>Drafting-1</b>	<b>Plumbing-4</b>
<b>Electrical-18</b>	<b>Stationary Engineering-3</b>
<b>Early Childhood Education- 19</b>	<b>Total- 128 Seniors Enrolled in Co-op</b>

The number of students is only Seniors in their career field who are eligible and willing to go to work. January 24<sup>th</sup> junior students who have completed the required competencies in their shop program will be eligible with their shop teacher's recommendation.

Amassing 128 students and counting has been a team effort. The CVTE teachers with connections to their industry are constantly touting their students' abilities and working with employers seeking to hire young talent. Academy Administrators working with their teachers inquiring how can we improve our CVTE programs and increase Co-op opportunities. Program Advisory Board members willing to hire or recommend hiring our students to other businesses. Academic teachers bending over backward to help students improve their grades to 70 and beyond. Mrs. Letendre finding Placement opportunities to get our students a foot in the door, which lead to a Co-op opportunity. Ms. Labrecque, continually tracking the hours worked and Student Evaluations are turned in. Mrs. Richard helping students who come to the Co-op office. Our Attendance Office, Ms. Martin and Mrs. Nobrega helping track student's whereabouts and proper record keeping. Mr. Williams supporting Cooperative Education and believing in students having an opportunity to gainful employment.

Many changes have occurred at GNBVT during the 2021-2022 school year. The Co-op Office is now located in G-104. The extension to the Co-op office is 764. Student work permit applications can be found on the GNBVT webpage under Co-op and are downloadable. The link is <https://www.gnbvt.edu/wp-content/uploads/2021/03/Youth-Work-Permit-Application.pdf>. Ms. Labrecque has been handling the work permits. She is located G-134 and will accept work permit applications after 11:30 AM. Please note there are two different work permits. Student going to a non-Co-op job use the Youth Work Permit Application on the GNBVT webpage from the Department of Labor. Co-op student's have a slightly different work permit that allows students working under a Co-op Agreement to perform tasks that are not allowed under a general work permit for minors under 18. Both work permits require students to bring proof of age such as a birth certificate, passport or immigration record.



# State and Federal Child Labor Laws for Co-op Students

*Below is a summary of the state and federal child labor laws most relevant to students enrolled in Massachusetts Chapter 74-approved vocational technical education programs. As all co-op students must be at least 16 years of age, laws related to teens under 16 are not included in the summary below.*

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## Prohibited Jobs for Minors

### Persons under 18 may NOT:

*(student learner exemptions are starred\* and highlighted in red)*

- Drive a vehicle, forklift, or work assist vehicle (except golf carts in certain circumstances)
- Ride as a passenger on a forklift
- **Operate, clean or repair power-driven meat slicers, grinders or choppers \***
- Operate, clean or repair power-driven bakery machines (except for certain countertop models and pizza dough rollers)
- **Work 30 feet or more above ground or water \***
- Handle, serve, or sell alcoholic beverages
- **Use circular, chain, or band saws; guillotine shears; wood chippers; and abrasive cutting discs \***
- **Use power-driven woodworking machines \***
- Use, service, drive, or work from hoisting machines
- **Operate or load power-driven balers, compactors, or paper processing machines \***
- **Use power-driven metal-forming, punching, or shearing machines \***
- **Use buffing or polishing equipment \***
- Manufacture brick, tile, or kindred products
- Manufacture or store explosives
- **Work in excavation \***
- Work in forest fire fighting, forest fire prevention, timber track operations, and forestry service
- Work in wrecking, demolition, or shipbreaking
- Work in logging, sawmilling, or mining
- **Work slaughtering, packing, or processing meat and poultry \***
- **Work in railway operations \***
- **Work in roofing or on or about a roof \***
- **Work in foundries or around blast furnaces \***
- **Work manufacturing phosphorus or phosphorus matches \***
- Work where they are exposed to radioactive substances
- **Work as a firefighter or engineer on a boat \***
- **Oil or clean hazardous machinery in motion \***
- Work in any job requiring the possession or use of a firearm

## Legal Work Hours for Minors

### 16 & 17 Year Olds

#### *Work Hours (all year round)*

- Only between 6 am & 10 pm on nights preceding a regularly scheduled school day
- If the establishment stops serving customers at 10 pm, the minor may be employed until 10:15 pm
- Only between 6 am & 11:30 pm on nights *not* preceding a regularly scheduled school day, except in restaurants and race tracks until midnight

#### *Maximum Hours (all year round)*

48 hours per week  
9 hours per day  
6 days per week

## Supervision

After 8 pm, all minors must be directly supervised by an adult who is located in the workplace and who is reasonably accessible (with the exception of minors who work at kiosks in the common areas of some malls).

## Work Permits

All teens under 18 must obtain a work permit from the school district where they live or go to school. For more information, visit the website of the Division of Occupational Safety at: [www.mass.gov/dos/youth](http://www.mass.gov/dos/youth).

In place of the standard work permit, a special **Cooperative Education Employment Permit** may be obtained by all minors who will be employed in cooperative education. These permits are issued by the superintendent of the school district where the minor is enrolled in a Chapter 74 program.