

What is After Dark?

After Dark is a collaboration between Lowell High School and Greater Lowell Technical High School that provides more students the opportunity of a technical education. The program requires a two-year commitment starting in 11th Grade.

LHS Student's will take academic classes during the regularly scheduled school day before attending programing at GLTHS from 2:30 PM to 5:30 PM (Transportation will be provided). After Dark is currently being offered for:

- Information Technology
- Advanced Manufacturing
- Automotive Technology

Student Benefits:

- Hands on Learning Experience
- Skilled Training of a Specialized Trade
- Access to Industry Certifications and Advanced Placement Classes
- Increased Job Opportunities

Requirements and Application

Process:

Academic Requirements:

- Passing Grades in all academic classes-- sophomore year passed Algebra 1 and Geometry
- Students must be enrolled in Algebra 2, Financial Algebra, Pre-Calculus or Calculus during Junior year and maintain passing grades in all classes

Application Process:

- Paper Applications should be submitted to School Counselor
- Admission Criteria includes:
 - Grades
 - Attendance/Discipline
 - Recommendation from School Counselor or Teacher



Lowell High School

AFTER DARK

Greater Lowell Technical
High School



Lowell High School
50 Father Morissette Boulevard
Lowell, MA 01852

Greater Lowell Technical High
School
250 Pawtucket Boulevard
Tyngsborough, MA 01879



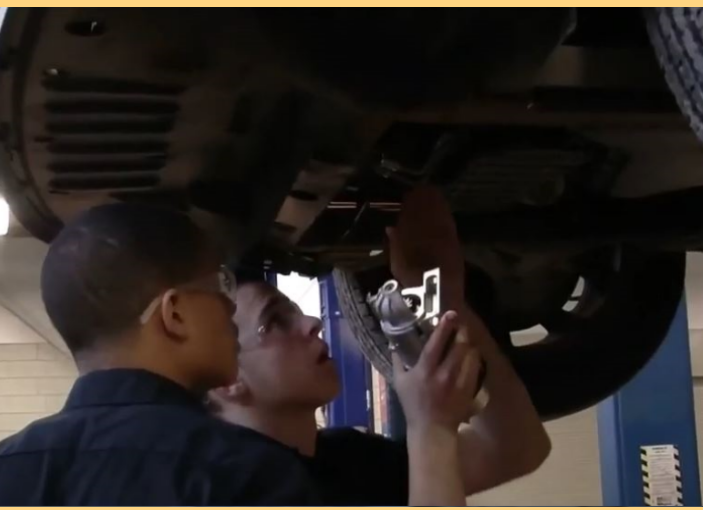
Automotive Technology:

The two year program in Auto Technology is designed to provide students with an in depth study into the world of auto technology. Students will learn basic automotive systems, then advance to sophisticated diagnostic equipment and computerized alignment systems. Students will also receive supervised-training in the operation of state inspection.

Curriculum Highlights:

- Lubrication and automotive maintenance
- Computerized 4-wheel alignment
- Engine tune-up and electronics
- Fuel injection service, driveline, transaxle and clutch service
- Steering and suspension, brakes, engine performance, and electrical
- Automotive Youth Education Systems (AYES) affiliate Lubrication and automotive maintenance

Students will receive industry credentials and work with instructors to prepare for job interviews.



Information Technology:

The program will introduce students fundamentals of computer science.

Year One Curriculum Highlights

- AP Computer Science Principles
- CIW Site Development Associate Certification
- Microsoft Technology Associate Intro to Programming Using HTML and CSS Certification
- OSHA 10 General Industry Certification
- Cyber Safety Awareness Training and Certification

Year Two Curriculum Highlights

- Programming Fundamentals with Visual Basic.NET and C#.NET
- CompTIA IT Fundamentals Certification
- Microsoft Technology Associate Software Development Fundamentals Certification
- Resumes
- Digital Portfolios

As a capstone students will build and publish a digital portfolio (website) to highlight their software development work and certifications they have earned.

Advanced Manufacturing:

The two year program in Advanced Manufacturing is designed to provide students with an in depth study into the world of manufacturing where they will be introduced to industry concepts, practices, and certifications. Students will have hands on experiences working with the tools and machines of the trade.

Curriculum Highlights:

- Blue Print Reading
- Metrology and measuring techniques employing micrometers and dial calipers
- Introduction to geometric dimensioning and tolerancing
- Datum Surface Representation
- Basic Mastercam programming
- Applying G Code and M Function practices.
- CNC Machine set up and operations

Students will also be shown how to write process plans and work with instructors to prepare for job interviews.

