

Wilby High School

Automotive Technology

Course #740 Course Syllabus

Instructor: Mr. Boucher

Phone: 203-574-8100

Email: vboucher@waterbury.k12.ct.us

Mr. Boucher strongly believes that:

All students will leave Wilby High School with the self-respect, respect for others, knowledge, and skills necessary to become independent, intellectually curious, and self-fulfilled members of society.

Mr. Boucher teaches students to be:

Academically

Effective Readers Effective Writers Effective Problem Solvers Self-Directed Learners

Socially

Respectful Persons Collaborative and Cooperative Learners

Civically

Community Contributors

Course Description:

The Automotive Technology course will provide students with opportunities to develop an understanding and application of automotive maintenance and repair. This course explores the nature of the modern automobile, its systems and subsystems, and how these systems interact.

The focus of this course will be the development of the students' 21st century skills in the areas of problem solving, systems analysis and diagnosis in the transportation and automotive technologies. Career exploration through demonstrations, written activities and Internet research will increase awareness of opportunities for future automotive related careers.

This course takes advantage of STEM (science, technology, engineering, and mathematics) practices and principles, and is designed to enhance students' knowledge of science, math

Instructional Methods:

Lectures, demonstrations, laboratory activities, cooperative learning, learning within a module, group discussion, individualized tutoring, peer instruction and mentoring as well as Internet research and exploration.

Credits: 1.0 *

Course Schedule:

Full year, 5 days per week, 1 period per day

- Unit 1 SAFETY IN AN AUTOMOTIVE REPAIR FACILITY
- Unit 2 THE AUTOMOTIVE INDUSTRY
- Unit 3 BASIC PREVENTIVE MAINTANANCE
- Unit 4 AUTOMOTIVE TOOLS AND EQUIPMENT
- Unit 5 TIRES AND WHEELS
- Unit 6 BRAKES
- Unit 7 SUSPENSION SYSTEMS
- Unit 8 ENGINE THEORY AND OPERATION

Assessment:

The auto classroom at Wilby High School is a dynamic learning environment. Students are encouraged to study concepts and automotive technologies, then go explore these technologies with their hands.

Therefore, students will be assessed as follows:

Laboratory Work	50%	Classroom Work	10%
Paper Tests	20%	Classroom Participation	5%
Quiz's	10%	Attendance	5%

