

Automotive Technology

SERVICE | PARTS | REPAIR

Introduction to Automotive Technology

11-12

Semester 1, Double Period



This course teaches students the basics of shop safety and procedures, automotive care and automotive maintenance. The following topics are covered: careers, hand tools, shop safety (floor jacks and jack stands), measuring, fasteners and gaskets, automotive math, service manuals and abbreviations, maintenance and fluid services (fluid checks and changes, belts and hoses), tires and wheels (balancing and changing), brake fundamentals and engine fundamentals.

Automotive Technology I

11-12

Semester 2, Double Period

This course is available to students who successfully complete Introduction to Auto Tech. During this course, students gain additional knowledge on brake fundamentals and they learn diagnosis and repair of brake systems to include ABS, as well as engine theory, diagnosis, minor repairs and support systems of the automobiles. The following topics are covered: power tools and lifts, testing and repair, battery theory, testing and service, fuel system theory, and fundamentals, testing and repair of engines, cooling systems, and lubrication systems, starting systems, and charging systems.

Automotive Technology II

12

Yearlong, Double Period

This course is available to students who successfully complete Auto Tech I. This third level course provides students with a more in-depth study of previous sections including on the job auto mechanic experience.

Students study engine performance and major repairs as well as clutches, drive trains, and wheel alignments.



CAREER PROGRAM