



Automotive Technology: 47.0604

Mr. Michael Castelli • 2022 – 2023

mcastelli@steelcentertech.com • 412.469.3200 x2513

Program Description: An instructional program that prepares students to gain basic knowledge in the repair and maintenance of today's cars and light trucks. The students will utilize repair manuals, textbooks, and computerized equipment to diagnose, troubleshoot and repair malfunctions within a vehicle's many operating system. Obtainment of a PA Vehicle Safety Inspection and Emissions certification is emphasized in the senior year.

Primary Resources:

Halderman, Automotive Technology fifth edition, Pearson 2016 Print

"Your Single Source for OE Repair Information." *ALLDATA Repair*. Web. 16 Nov. 2015. <<http://repair.edu.alldata.com/>>

Note: Students will not be assigned "take-home" copies of the course textbook. Under no circumstances are students to remove books from the classroom without permission from the teacher.

Secondary Sources:

Lift it Right Safety Materials

Straight Talk about Motor Oil. Valvoline Oil. DVD.

"Safety Matters. Don't Leave It to Chance." *S/P2 Safety & Pollution Prevention Training*. Web. 04 Feb. 2016. <<https://sp2.org/site/>>.

Computer-based application and content-related articles/materials selected upon teacher discretion.

Daily-Required Materials/Items:

- Be in class on time and ready to learn.
- Notebook and a writing utensil.
- Work uniform, work boots and safety glasses.

Assessment and Evaluation: All test, quizzes, time cards, weekly logs, midterm, and final exams will be graded using Steel Center's grading scale:

93-100:	A	70-76:	D
85-92:	B	<70:	E/F
77-84:	C	Incomplete:	I

Measures of Achievement:

Work Ethics (Daily) Grade – this grade accounts for 34% of the student's total nine-week grade. It is based on safety, student behavior, preparation/participation, productivity or time on task, professional appearance and extra effort. The grade range is 0 – 10.

Skills (Task) Grade – this grade accounts for 33% of the student's total nine-week grade. It is comprised of the evaluation and recording of lab activities that students are assigned each marking period. The grade range is 0 – 10.

Knowledge (Test/Assignment) Grade – this grade accounts for 33% of the student's total nine-week grade. This grade will include, but not limited to, homework assignments, written assessments/assignments, presentations, quizzes, tests, mid-term and final exams and research activities.

Assignments/Timeline:

- Quizzes/tests are assigned throughout the year and throughout units to measure understanding.
- NOCTI testing will be taken during the senior year which is comprised of both a practical and theory portion.

Other Grading Factors:

- Be respectful, only one person talks at a time
- Be attentive and move safely in the classroom/lab
- Be ready for work by dressing appropriately
- Lock your valuables in your locker
- Electronic devices may only be used with permission from the teacher to take pictures of projects or participate in learning activities

Classroom/Shop Rules: Consequences (in no particular order):

1. Be **Prompt** 1. Verbal warning and/or points deducted
2. Be **Prepared** from daily grade
3. Be **Polite** 2. Parental contact and point deduction
4. Be **Productive** 3. Office referral and point deduction
5. **Plus**, follow school rules 4. Parent/teacher conference

