


<p><b>Mr. Clapper</b>  <b>Phone: 229.413.1787</b>  <b>Ext.1787</b>  <b>mclapper@tcjackets.net</b></p>	<p><b>Automotive Technology 2</b>  <b>Course Syllabus</b></p>	
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**Course Number:** 47.45100

**Career Cluster:** Transportation, Distribution and Logistics

**Pathway:** General Automotive Technology

**Class Location:** Room Prep 137

**Course Description:** Introduces students to principles of all eight automotive technology sub groups. The groups include HVAC, engine mechanical, automatic transmission, manual transmission, steering and suspension, brakes, electrical and electronics, and engine performance. AT-2 supports the development of skills in basic automotive maintenance, service and repair. Students are introduced to diagnosis of systems and concerns, causes and correction of problems. Critical thinking skills and shop safety are emphasized. Course includes applied academics of math, science and language arts. Minimum performance requirements for this course are based on successful completion according to the ASE Education Foundation.

**EOPA Statement:** Students are encouraged to select a pathway beginning in ninth grade that is connected to their college and career goals. This course is one of three courses in General Automotive Technology. At the conclusion of the third pathway course, students will be required to take an **End of Pathway Assessment**. This assessment provides students an opportunity to demonstrate what they have learned by completing an online, nationally recognized exam. Students who complete a pathway and the EOPA will earn a student certification ASE (Automotive Service of Excellence). By passing the assessment the student will receive a graduation cord to signify their achievement.

**Course Objectives: Upon completion of this course students will:**

**Standard: TDL-AT2-GS1**

Demonstrate employability skills required by business and industry.

**Standard: TDL-AT2-GS2**

Identify and utilize safety procedures and proper tools.

**Standard: TDL-AT2-GS3**

Research and utilize proper tools and equipment.

**Standard: TDL-AT2-GS4**

Research and utilize vehicle service information.

**Standard: TDL-AT2-GS5**

Develop an understanding of automotive careers, describing the principal fields of specializations and identifying associated career opportunities.

**Standard: TDL-AT2-GS6**

Examine how related student organizations are integral parts of career and technology education courses through leadership development, school and community service projects, and competitive events.

**Technical Standards:****Standard: TDL-AT2-TS1**

Perform general engine service.(ASE: A1 Engine Repair)

**Standard: TDL-AT2-TS2**

Perform general automatic transmission service.(ASE: A2 Automatic Transmission/Transaxle Service and Repair)

**Standard: TDL-AT2-TS3**

Perform general manual transmission/transaxle/axle service.(ASE: A3 Manual Drivetrain and Axle Service and Repair)

**Standard: TDL-AT2-TS4**

Perform general suspension and steering systems service.(ASE: A4 Suspension and Steering)

**Standard: TDL-AT2-TS5**

Brake System Service (ASE: A5 Brakes System Service and Repair)

**Standard: TDL-AT2-TS6**

Electrical System Service (ASE: A6 Electrical/Electronic Systems Service and Repair)

**Standard: TDL-AT2-TS7**

Heating, Ventilation and Air Conditioning Service (Automotive HVAC) (ASE: A7 Heating and Air Conditioning System Service and Repair)

**Standard: TDL-AT2-TS8**

Engine Performance Service (ASE: A8 Engine Performance Service and Repair)

In addition to content standards, students will be responsible for showing mastery of the Common Core literacy standards. These standards will be taught using reading and writing activities related to the content area. Reading materials may include novels, technical manuals, articles or other appropriate materials as determined by the instructor.

**P.R.E.P Academy Grading Policy:**

Daily Grades/Electude	25%
Job Task/ Lab	25%
Test Grades	30%
Benchmark/SLO	20%

Lab work will be graded on initiative and use of available time, quality of work, problem solving, care and use of tools, use of materials and test equipment, neatness and safety practices. Class work assessments will be computer based quizzes, tests and student participation in classroom exercises.

**Make Up Work:**

Any missed work must be completed following the guidelines in the school handbook. This is the student's responsibility.

**Textbook:**

Students will not be issued a textbook for this class, but one will be available for classroom use.

*Automotive Technology Principles, Diagnosis, and Service 6th Ed. by James Halderman*

**Classroom Rules/Conduct:**

- Every student will receive a copy of the General Safety Rules and the Lab Rules.
- Be on time for class.

- **Tardiness will be documented** and could result in detention and possibly a discipline referral.
- All students are expected to be seated and quiet when the bell rings to begin class.
- **Cell phones will not be allowed in class** and will be confiscated in accordance with school rules.
- **No food or drink is allowed inside of the classroom.** Please dispose of those items prior to entering class.
- Profanity is in violation of school rules and will not be tolerated in my class.
- **Absolutely no tobacco** use is allowed at any time.
- Vandalism and/ or destruction of school property are not tolerated. The automotive facility is equipped with cameras and other recording equipment to help prevent damage from incidents such as this. Please be aware that the property is continuously monitored.

### **Computer Use:**

Students will be required to access the Internet for some assignments and projects. Each student must have an Acceptable Use Policy (AUP) on file at the school. All policies in the AUP will be followed. Students should only use the Internet when instructed for classroom purposes.

Students who are caught downloading/streaming music, on inappropriate websites, attempting to bypass the server, or participating in other questionable activities will receive a referral and their computer privileges may be revoked.

### **Attendance Policy:**

The attendance policy found in the student handbook will be followed. It is important that the student attend class regularly. Missed labs must be made up on student's time after school. Make up lab days/times will be posted.

### **ISS:**

Students assigned ISS must request class work and check out the textbook for class work assignment for the days in ISS. Labs are hands on and will be made up after school on make-up lab days.

### **Safety Policy:**

Due to the possible dangers associated with automotive training facilities, additional rules to the student handbook will be followed in the automotive shop. These rules will be covered in detail during the shop safety lessons at the beginning of the semester. All students must wear the appropriate clothing and safety glasses to be able to work in the shop area. **All students will be required to take a safety test and must score a 100 to be allowed in the lab.**

### **Additional Information:**

I am one of the SkillsUSA Chapter advisors for Thomas County Central High School, and I encourage all of my students to join. SkillsUSA is a nationally recognized student organization that promotes both critical thinking and hands-on skills. Students who join will be able to train and compete at the region and state level with an opportunity to make it to national competition in over 40 different categories. The dues to join are \$20. Please contact me if you are interested in joining and visit [www.skillsusageorgia.org](http://www.skillsusageorgia.org) for more info.

**Please read the following statements, print your name, give your signature, and fill out the information below.**

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As the **student**, I have read the **Automotive Technology 2** syllabus and understand the expectations and requirements of the course. I also agree to follow the rules in the classroom.

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**Student's Printed Name**

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**Student's Signature**

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**Date**

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As the **Parent/Guardian**, I have read the **Automotive Technology 2** syllabus and understand the expectations and requirements of the course. I also expect my TCCHS student to follow the rules in the classroom.

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**Parent/Guardian Printed Name**

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**Parent/Guardian Signature**

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**Date**

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**Phone Numbers: Please circle the phone number preferred.**

Home: \_\_\_\_\_ Best time to call: \_\_\_\_\_

Work: \_\_\_\_\_ Best time to call: \_\_\_\_\_

Cell: \_\_\_\_\_ Best time to call: \_\_\_\_\_

E-mail address:

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