**AUTOMOTIVE TECHNOLOGY CLASS SYLLABUS**

**Department: CTE Program**

**Course Name: Automotive Technology**

**Instructor: Charles David Charles.david@wusd.us (575)518-4424**

**COURSE DESCRIPTION:**

The Automotive Technologies program prepares individuals to apply technical knowledge and skills to repair, service, and maintain all types of automobiles. The Automotive Technologies includes instruction in brake systems, electrical systems, engine performance, engine repair, suspension, and steering, automatic and manual transmissions and drive trains, and heating and air condition systems.

The Automotive Technologies program is delivered as a coherent sequence of courses designed to offer students knowledge and skills that meet the needs of the workplace. The Professional Skills developed by business and industry leaders across Arizona are integrated throughout the program. Automotive Technologies students develop leadership, social, civic, and career skills through participation in the state-recognized Career and Technical Student Organizations, SkillsUSA.

The Automotive Technologies instructional program prepares students for entry-level employment, further training, and/or post-secondary education for these and other occupations: Automotive Technician

**ACCESS AND EQUITY**

This program is free from bias and stereotypes associated with race, color, national origin, sex and disabilities and are offered in ways that ensures all students have the opportunity to achieve success in the program, including through accommodations as appropriate.

**LICENSE/CERTIFICATION:**

Completing this 2 year program will prepare students to take the National American Service Excellence (ASE) tests in the Auto Maintenance and Light Repair Certification Test (G1) The student will have the opportunity to test in this one program areas.

**PREREQUISITES:**

Shop Basics

**ATTENDANCE:**

Class attendance is an important aspect of this course. Any student who will be absent on any given school day, for any given reason, will notify instructor via email PRIOR to the beginning of class. Attendance is governed in the same manner as all other competencies in the program. A required percentage of days attended is required to meet the competency requirement. Noncompliance will result in loss of any class credential.

**LAB OUTLINE:**

Students need to wear proper PPE and safety glasses each day when they are working in the Auto Shop Area. A minimum distance of 6 feet will be observed while in the shop and sanitation procedures will be included in the daily clean up requirement. Keep the shop clean and free of hazards. Report unsafe conditions or injury to teachers. Keep shop area and classroom neat and clean. Clean and return all tools and equipment to their proper places. Follow shop and machine safety rules at all times. Avoid talking to, or otherwise distracting, machine operators. Avoid running, throwing of objects, “horse playing,” and making unnecessary loud noises in the Auto Shop area. Students needs to read and sign Shop Safety Agreement and also follow shop and machine safety rules at all times. If a student doesn’t follow the Auto/Technology rules every day that student will be sent to classroom and will receive 0.

**CURRICULUM:**

Modern Automotive Technology, 9th Edition

**GRADING FACTORS:**

Grading factors will be adjusted according to all individuals IEP. For those students requiring special attention or teaching efforts, every attempt to accommodate their requirements within safety limitations will be followed.

**CLASSWORK**

Bell-work, Class participation, Classroom Assignments, Daily bell work, daily clean-up.

Virtual Classroom expectations

On days when students are not physically present. They will log into a “virtual classroom”. Attendance rules still apply and attendance will be taken. Students will work with the camera on for the duration of the classroom time.

**ASSESSMENTS**

Daily reflections, Quarter Exams, Practical (hands-on) task performance (competency completion), Chapter Technical Terms, ASE questions and review questions, weekly workplace readiness assessments, and any projects assigned by the Instructor. It is the student’s responsibility to keep up with assignments and catch up with missing work.

**Extra Credit:**

During the year there will be opportunities to obtain extra credit. Participation in and volunteering to help at our club related or class related activities. Or any other opportunity as determined by the instructor. Extra credit points will be assigned at the discretion of the instructor and will be applied to the weekly workplace readiness summative evaluation.

**MATERIALS:**

\*Recommended PPE: Mechanic gloves, non-slip sole, protected toe work boot, work shirt, Hair ties.

\*Glasses on site are provided by the program. But your welcome to bring your own from home

\*Gloves are provided also

\*Hand Cleaner Provided on site

\*Tools and Supplies for shop class provided

\*Automotive Curriculum Provided on site

**GRADE SCALE:**

**100-90=A**

**89-80=B**

**79-70=C**

**69-60=D**

**59-50=F**

**SKILLS USA**

SkillsUSA is a partnership of students, teachers and industry working together to ensure America has a skilled workforce. SkillsUSA helps each student excel. We provide educational programs, events and competitions that support career and technical education in the nation’s classrooms. SkillsUSA serves middle-school, high-school and college/postsecondary students preparing for careers in trade, technical and skilled service (including health) occupations.

**Safety:**

Because safety is a primary concern in this class, all participants are required to return a shop safety contract prior to attending shop activities. Please read and return attached sheet signed to instructor. You need to have attachment on file prior to attending shop activities.

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Class:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**General Safety Precautions-General Policies and Conduct Agreement General Safety Precautions**

All students are to follow the following general safety precautions:

1. Keep work areas in a neat and orderly condition.

2. Keep all tools and equipment clean.

3. Use air hoses safely. Compressed air is dangerous.

4. Familiarize yourself with location of fire extinguishers in the classroom and lab area.

5. Floor jacks are for lifting vehicles only. After the vehicle has been lifted, place safety stands under the frame, suspension, or other approved lifting point.

6. Remove any jewelry and tie up hair before lab.

7. Students must wear safety glasses in the lab area.

8. Students are expected to behave in a professional manner; perform assigned duties with an attitude of responsibility, striving to perform tasks to the best of their ability, either alone or in a group environment.

9. No foul language may be used at any time.

10. Playing and Messing around in the shop, classroom or building will not be tolerated at any time.

11. No student’s car may be parked in the Automotive Shop area unless approved by the instructor and scheduled for work on that day.

12. Students may not enter any vehicle in the lab area without permission.

13. In the event of a fire drill, students will stop work IMMEDIATELY and will exit from the building in a planned and orderly manner.

**14. No use of cell phones, pagers, and electronic gadgets in the classroom or lab areas during class.**

**I have read and understand that safety is very important to Mr. David. I understand the rules set in place is for my safety as well as my fellow classmates. I have read these rules with my Parents/Guardians, they will acknowledge the Safety protocols that are used in the automotive shop while we as a class utilize the Automotive Shop. I understand the negligence of the rule may result in loss of shop grade or injury.**

**Students Printed Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Students Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Parent/Guardian Printed Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Parent/Guardian Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Parent/Guardian Contact Info: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**