

## **Auto Technology**

### **Instructors:**

**Mr. John McDonald**

**Mr. Pedro Ic Itza**

### **Description:**

This course is the first course in a 2 part series of classes to train students at an Industry level for future direct employment into the Automotive industry. These two classes Intro Auto Technology and Advanced Auto Technology will meet ASE industry standards in their depth and training. This course is highly recommended for students who go directly into the Automotive Industry. This course is also highly recommended for students pursuing higher education in all types of Mechanical Engineering and many other similar disciplines.

### **Mission Statement.**

The mission of the PSSC Auto Technology Program is to provide a safe and professional education hands-on learning environment which enables students to develop ASE Skills and Attitudes to maximize their future career opportunities.

### **Culture of Learning:**

This class re-enforces PSSC's school wide agreements: Be Present, Be Respectful, Be Engaged and Be Professional. These agreements will be upheld through a positive, progressive support system including individual check-ins with students, positive reinforcement strategies, contact with families, interventions from Dean/Counselor, etc. Students will develop classroom behavior agreements that align with the school wide vision.

### **Student Learning Outcomes:**

Learning in this class can vary greatly. Some students want the knowledge to just work on their own vehicles. Most students come to learn to work on vehicles because this will be their future career choice. So if the students take the full two years of Auto Tech classes they can earn up to all 8 ASE certifications. This would put them at an extremely high level for local employment at dealerships and independent shops and they could command a much higher entry level wage after graduation and many do and many get jobs with Boeing where they do get that much higher starting wage.

### **Instructor Contact Information:**

Students can come to the shop ½ hr before class and stay up to ½ hr after class daily.

A very good way to communicate with Mr. McDonald or Mr. Pedro is to use our school email.

[john.mcdonald@highlineschools.org](mailto:john.mcdonald@highlineschools.org)

The shop phone is not a good way to contact us as we are never near it when it rings. The voice mail is not always working properly for good messaging. If needed you may try this shop office number. 206 - 631 - 7312

### **Credits Offered:**

Credits per Semester: 1.5

Equivalency Credits: .5 English ( Portfolio Completion), 1.0 Science

College Credits: Pending

### **Industry-Recognized Certifications:**

We have two different Industry Recognized Certifications here in our Auto Shop Class.

- Safety Certifications sp2.org website safety training we use the Shop Safety Certification.
- Pollution Prevention Certification as well. These are both offered for free and good for two years nationwide.

**The big ASE Certifications offer up to all 8 of them.**

**Some of them are:**

ASE Electrical,

ASE Brakes

ASE Engine Diagnostics

ASE Steering and Suspension

and there are many more.

**Grading Policies:** We use Standards-Based Grading to assess student learning as per Highline Public Schools.

The grade scale is as follows:

**4** (A; 3.2 - 4.0): MEETING most standards and may be EXCEEDING on some.

**3** (B; 2.4 - 3.19): MEETING most standards and may be APPROACHING or EXCEEDING on some.

**2** (C; 1.6 - 2.39): APPROACHING on most standards and may be BEGINNING or MEETING on some.

**1** (D; 1.2 - 1.59): BEGINNING on most standards and may be APPROACHING on some.

**NC** (NC; 0 - 1.19): NO EVIDENCE on most standards and may be BEGINNING in some. NC stands for No Credit. In high school, the NC does not earn credit for a course.

### **Reassessment Opportunities:**

Reassessment opportunities will be clearly published and determined by the instructor. Not all assignments and assessments are eligible for reassessment.

**Required Materials:** The following items are provided in the class and are required in the shop.

- **Safety glasses**
- **Lab coats or coveralls**
- **Closed toed shoes**
- **Hearing protection when needed.**
- **Tools are provided ( tools from home not allowed. )**

**Program Costs:** There will no longer be any classroom fees and uniforms will be provided. If you want your uniform customized then students may need to pay.

**Professional Attire & Uniform Requirements:** Students must wear a lanyard with their student ID and PSSC provided attire and/or program-specific uniform daily.

**Course Technology:** This course utilizes **Google classroom.**

**Work-Based Learning (WBL):** WBL is an instructional strategy that provides students with career exploration opportunities and hands-on learning where knowledge gained in CTE courses can be applied to real-life work experiences. The goal of every work-based learning program is to prepare students for the next generation of the workforce. PSSC students will participate in Work Based Learning through their CTE program and may earn elective credits.

Common WBL opportunities

- Job placement in career pathway
- Internships
- Externships

All PSSC students will participate in Work Based Learning.

**Leadership:**

Leadership is a key component of PSSC's Auto Tech Program where our students can be a member of SkillsUSA or Auto Club. The purpose of SkillsUSA and Auto club is to encourage the development of vocational understanding, leadership qualities, social awareness, and a sense of responsibility to school and community. It is each student's choice as to how active they will become in SkillsUSA or Auto club.

List of opportunities:

- SkillsUAS conferences, competitions
- Community Service
- PSSC Program Leader
- Auto club at PSSC
- ASB officer

**Cell Phone Policy:**

Cell phones should be used for educational purposes only as directed by the instructor. In the Auto Technology class and Shop there will be no cell phones in use by students. The only difference to previous years is the classroom component on this issue. We will be sending a letter home to parents and students this year to be signed by both and brought back the first week of school. We are getting evaluated this year by ASE for shop Recertification and this is where the industry is going on this issue. Phone will be placed in a locked tool box at the start of class daily.

## **Attendance Policy:**

The seat time mandate for CTE courses in Washington ensures students receive sufficient instructional hours and hands-on training time to master necessary technical skills. Prescribed minimum seat time safeguards the quality of CTE programs by allowing for in-depth classroom learning, adequate lab practice on equipment, and fulfillment of certification requirements. Upholding seat time standards is crucial for preparing a workforce with job-ready expertise meeting industry needs.

Therefore, it is critical that students are present. Whether excused or unexcused, missed time is missed time.

1. If a student is tardy, they must complete the QR code in their classroom. It is their responsibility as a student to complete the QR code so their absence can be corrected to a tardy. If they do not complete the QR code, the student will be marked absent.
2. As a professional courtesy, please contact the course instructor via email, Google voice text or phone call.
3. Absences may be excused by any of the following methods within 48 hours of the absence:
  - a. Phone call to PSSC Attendance Specialist, Kelsey Gomez (206-631-7353)
  - b. Email to PSSC Attendance Specialist, Kelsey Gomez (kelsey.gomez@highlineschools.org)
  - c. Hand-written note turned into PSSC Attendance Specialist Kelsey Gomez
4. Please include the following information in the note, call or email:
  - a. Student Name
  - b. Parent Name
  - c. Date of the absence
  - d. Reason for the absence
5. Prearranged absence forms are in the office. The form must be completed with all required signatures before departure date. This form will be shared with your home school as well.
6. Reassessments opportunities will be clearly published and determined by the instructor. Not all assignments and assessments are eligible for reassessment.

**Student Handbook:** [CLICK HERE TO VIEW](#)

## **Year 2 Eligibility:**

All Year 1 PSSC students will have quarterly check-ins with their PSSC teachers, student success dean, counselor, and families to assess performance in their program, needed supports, and progress towards mastery of content and skills necessary for Year 2 programming. All information will be shared with the home school support staff.

## **Expectations:**

### **Classroom Expectations**

- 1. Be seated and be on task when class begins.**
  
- 2. Bring a Pencil or Pen every day.**

- 3. Food and Drink not allowed in class.**
- 4. Electronic devices are not allowed.**
- 5. No Talking during lectures and instruction**
- 6. Raise your Hand and wait to be called upon when you have a question.**
- 7. Be respectful to everyone (No Inappropriate Language)**
- 8. Sit up during instruction – keep head, shoulders off desks.**
- 9. Remain seated until class has ended (Bell rings)**
- 10. Remain on task, no horseplay.**

## **Shop Expectations:**

**Shop safety will always be first**

**Students will wear proper safety gear**

**Students must work on assigned projects**

**Student must stay in their designated work area**

**Respect tools and customer property**

**Dealership professional language only in the shop**

**Course**

**Curriculum:**

**ASE Auto Areas of Study as per Industry current standards.**

**Brakes**

**Electrical / Electronic Systems**

**Suspension and Steering**

**Engine Performance**

**Engine Repair**

**Automatic Transmission and Transaxle**

**Manual DriveTrain and Axles**

**Heating and Air Conditioning**