



# Reynolds High School

## Automotive Technology 2

*Building Relationships for Academic Success*

**Instructor Name** Mr. Long **Phone with ext.** (503)667-3186 ext. 1099

**Room Number** 127/128

**Email Address** along@rsd7.net

**Required Textbooks/Materials:** School laptop, laptop charger

**Course Description** – In this course, students study the complete construction, working principles and proper service procedures for modern internal combustion engines. In addition, instruction is given in engine measurements, cooling systems and lubrication systems. Students will study the advanced theory and operation of automotive brakes, steering and suspension systems. Students study brake hydraulic system operation, advanced brake systems technology as well as advanced diagnostic equipment operation, advanced wheel alignment procedures as well as reinforcement of tire and wheel balancing.

In this course, students will also learn the basic theory and operation of a manual transmission as well as disassemble manual transmission and identify power-flow through the transmission.

**Course Requirements** – Students will practice soft skills and be present on time. Students will participate in shop and classroom activities.

**Grading Policy Description** – Students will be graded based on the following: participation, text book assignments, web-based assignments, open note quizzes, oral and written tests.

The ONLY grade that matters is what is posted in Synergy (Parentvue/Studentvue). There will be grades in Schoology but not all Schoology grades will be posted in Synergy and there will be other things not in Schoology posted in Synergy.

## Letter Grade Description & Percentage Breakdown

Grade Percentage	Letter Grade	Description
100% - 90%	<b>A</b>	The student fully understands the content and the course objectives have been mastered.
89% - 80%	<b>B</b>	The student understands the content and course objectives at an above average level.
79% - 70%	<b>C</b>	The student understands the course content and course objectives at an average level.
69% - 60%	<b>D</b>	The student understands the course content at a below average level and a minimum of course objectives are met.
59% - 0%	<b>F</b>	The student has not met a sufficient number of course objectives to pass a minimum level and receives no credit.

**Late Work/Retake Policy** – Late work may be completed at any point during the semester for full credit. The final date late work is accepted for credit is the last regular day of school before finals unless a student has made prior arrangements.

## Course Schedule/Outline of Units

Dates	Topic
<b>September</b>	Introduction, Expectations, Safety, Tools
<b>October</b>	Engine operation and measurement
<b>November</b>	Continue engine operation and measurement
<b>December</b>	Finish engine operation and measurement
<b>January</b>	Scan tool operation, reading codes, beginning diag.
<b>February</b>	Manual transmission introduction
<b>March</b>	Continue manual transmission

<b>April</b>	Finish manual transmission, Suspension/Alignment
<b>May</b>	Suspension/Alignment
<b>June</b>	Shop cleanup, late work, summer prep

## **Class Expectations**

I will work to be Prepared and Punctual, Organized, a Writer, Engaged, and Respectful (POWER).

I will be inside the shop, headed to my seat at the bell.

I will not use my cell phone in the classroom, but I understand it is a valuable tool working on mechanical things and will use it responsibly in the shop. If I am being disruptive on my cell phone, I will surrender my electronic device without argument if asked to do so.

I can eat or drink in the shop and classroom BUT I also understand that if the shop and classroom floor become a sticky garbage can, eating and drinking privileges will be revoked.

I will not leave the class unless Mr. Long has released me.

I will be respectful of others when they are speaking.

I will not loiter (hang out) in cars in and around the shop.

I understand that I am welcome to look around and encouraged to ask questions about what I see. ***I will not touch cars, parts, tools or equipment without training and/or permission by Mr. Long.***

I understand that not following these expectations will result in my removal from the shop for the remainder of the period. Continued failure to comply with these rules will result in my inability to work in the shop until there has been a meeting with my parent or guardian and we have created a safety plan I agree to follow.

## Safety

There are a lot of students in this space so I **MUST** choose safety. I will wear the provided Personal Protective Equipment (PPE) for the work I am doing. I will handle myself responsibly (no horseplay). I will use tools properly. These are choices I must make to do my part to ensure my safety and the safety of others around me.

I have read and understand the information and expectations outlined in this syllabus.

Student name \_\_\_\_\_

Student (signature) \_\_\_\_\_

Date \_\_\_\_\_

Guardian name \_\_\_\_\_

Guardian (signature) \_\_\_\_\_

Date \_\_\_\_\_