

LESSON NAME

Course Name	Grade Level	Subject Represented
Autos 1	10-12	Fluids

GOALS:

Identify and narrow down issues brought in by customers concerning an issue with one of their vehicles fluid systems.

OBJECTIVES:

- Given information concerning all fluid systems (ie type of fluid, amount, how to check, how to inspect for leaks/issues related etc) the Autos 1 student will be able to diagnose a variety of real world customer concerns.
Examples: My brake pedal is spongy
The engine seems to be running hot and I have a coolant light that came on my dashboard
I found a puddle of fluid under my car this morning

PRIORITY STANDARDS:

- Demonstrate basic automotive fluid service and routine maintenance procedures.
- Identify and demonstrate the proper use of hand tools and general shop equipment

TIME FRAME:

2-3 Days

MATERIALS:

- Worksheet containing most common issues associated with fluids on a vehicle
- Actual “simulated” issues on live vehicles to inspect and find the issue going off of a customer complaint (provided by the instructor)

PROCEDURE:

- Students will break into groups of 3 and will be assigned a set of issues to research and provide solutions with evidence based resolutions.
- Class will go over each groups set of “customer concerns” concerning automotive fluid.
- Live vehicles will be brought in for students to solve a “fluid” concern from a customer and to make recommendations for repair.

ASSESSMENT:

- Written test given through schoology using pictures and scenarios involving automotive fluid issues
- Lab using live vehicles where groups of student will have to hear the customers concern, diagnose the issue, recommend a fix, and go ahead and perform that service.