

Knowledge "Standard":

Skill/Disposition "Standard":

To be identified - dependent upon topic

To be identified - dependent upon needs of class

ACADEMIC CHALLENGE High School Automotive Technology

Question/Issue: What is the critical information we "need to know" as automotive technicians regarding (topic)?

Challenge: In groups of 3-4 chosen at random, determine the critical information an automotive technician "needs to know" regarding the topic assigned. Research the topic using reliable and authoritative sources. Develop a 5-10 minute lesson suitable for presentation to the rest of the class in which you share your information and understanding of the topic.

In preparation for your lesson, please adhere to the following guidelines:

- You are expected to use your textbook as one of the resources. In addition, you must document at least four (4) other reference resources to confirm your decisions about the critical information you share;
- You may use overheads, handouts, and display materials of your choosing to support your lesson. No videotapes may be used;
- You should be prepared to answer appropriately any questions regarding your material;
- You will be expected to administer a five question review quiz to your audience at the conclusion of your lesson. All of the quiz questions must be approved by your instructor.

All members of your group are expected to be equally involved in the preparation and presentation of your lesson. Be sure to assign a timekeeper, taskmaster, and recorder to help move your process along. You have _____ class periods to complete this challenge.

Product criteria:

Lesson

Rule criteria

- Lesson is 5-10 minutes in length
- All members of the group equally involved

Form criteria

- Engaging - presenters maintain eye contact with audience, speak clearly and loudly, illicit response/questions from the audience.
- Informative - communicates accurate information regarding topic

Content criteria

- Contains information on topic which is critical to automotive technicians;
- Contains documented materials taken from a minimum of 4 resources in addition to the text;
- A valid 5 question quiz is developed from the lesson.

Evidence of:

β **Knowledge**

Targeted "Standard(s)"/Indicator(s):

- **Knowledge** - understands automotive terms and concepts
LOOK FOR/LISTEN FOR> Presenters can thoroughly and accurately respond to questions regarding the topic covered by their lesson

β **Skill**

β **Disposition**

- **Skill** - to be targeted as appropriate
LOOK FOR /LISTEN FOR> To be negotiated with students

Tim Rock, Automotive Technology instructor at the Adirondack Educational Center, FEH BOCES, frequently uses this challenge as a "boiler plate " whenever he introduces new material in his classroom.