




AGRICULTURAL MECHANICS CURRICULUM

Unit: SMALL ENGINE

Topic: MOWER MAINTENANCE

Topic Objectives: Upon Completion of this lesson, students will be able to:

- A. Understand the maintenance of a lawn mower 
- B. Remove, sharpen and safely reattach the mower blade

Time Frame:

90minutes

Materials/Equipment:

PowerPoint

Handouts

Lawnmower

Operators manual

10 blades, 8 with imperfections

Wrenches, Grinder, Vice, Floor Jack, Blade Balancer, Heavy Leather Gloves

References:

SCAG Power Equipment Operators Manual #03092 


Teaching Procedure:

A. Interest Approach:



Divide into groups. Have each group brainstorm on ways they should take care of lawn mowers. Ask them to take turns telling you them, ask for a volunteer to list on the board.

B. Teaching Steps:

- a. Show Mower Maintenance slide show 
- b. Hand out Lawnmower Blade Inspection Sheet
- c. Let students observe 5 blades. They can make observations and write them down on paper.
- d. Discuss different imperfections with students as a class.
- e. Ask one student to mow a strip or two with dull blades. Leave enough room to mow beside with sharp blades.

- f. Move to lawnmower. Do hands on demonstration of how to remove a lawn mower blade. Get students to volunteer to do different tasks such as jacking machine up, loosening bolts, putting blade in vice, etc.
- g. Demonstrate proper sharpening technique as illustrated on handout. Allow students to balance. Students can try to sharpen blades if they want.
- h. Re-attach blade to mower and mow next to strip that was mowed previously. Note difference in cut.
- i. Give one student operators manual. Have them read aloud one by one the different things that must be done. Run through each of these. Actual task can be performed or explained depending on time restraints. Ask for volunteers to show class if they may know how to do task.



C. Review: Move back into classroom and ask students to compare differences in cut of sharp vs. dull blades. Students can list differences on blade handout and then share information with the class.



D. Evaluation: Quiz over five remaining blades

ACTIONS:

