**ENGINE DISPLACMENT EXERCISE**

**Class:** §130.24. Agricultural Power Systems 130.24 A, B, C, 5 a-c

 111.34. Geometry

**DATE**: January 17, 2011

**PURPOSE:** Have students be capable of calculating engine displacement in both cubic inches as well as cubic centimeters and have them be able to convert their answers.

**Objectives:**

Agricultural Power Systems 130.24 A, B, C, 5 a-c

Geometry A, B 8 d, f \*Consulted with Dr. Garcia for information, and teaching techniques for subject matter

**Materials:**Dry Erase board

Cylinder sleeve

handout

**Method:**

Show students the extracted diesel engine cylinder sleeve and tell them how one may measure the inside of that sleeve. The lesson goes on to show students how engine displacement is calculated and how this is very important when working with engines. They will see how to calculate a standard engine, and then how to calculate a bigger “bore” size for the same engine.

**Evaluation**:

Students will be given a handout to work as a group, and then an individual practice assignment