Student Worksheet

Name(s): _____   Section: _____
          _____   Date: _____

Simple Machines
Activity 3 : Screw and Wheel and Axle

1. If this inclined plane moves 3 mm to the left, how high will it lift the object?

2. How do you predict the force applied to the resistance compares to the force you must apply
    to the screw?

Data Collection

3. Record the effort force, the distance lifted and the thread density for 5 tests.

Table 1

Effort Force	Distance Turned	Wheel Radius