

Chapter 1 – The Nature of Science

I Can Statements

I can...

1. describe the steps of the scientific method
2. apply the scientific method to an every day problem.
3. determine the difference between a control and a variable in an experiment.
4. state importance of a model in scientific problem solving.
5. differentiate a theory from a law.
6. convert between the basic metric units of kilo, centi, and milli for length, mass and volume.
7. can measure length and express it in the correct metric units.
8. can measure mass and express it in the correct metric units.
9. can measure volume and express it in the correct metric units.
10. can measure temperature and express it in the correct units.
11. create a data table to use for an experiment.
12. determine which data is the dependent variable.
13. determine which data is the dependent variable.
14. create a line graph given using the dependent and independent variables.
15. title a graph.
16. determine the best fit curve for a graph.
17. label the parts of the graph correctly.

