**5th Grade Vocabulary: The Nature of Science**

**In 5th grade we begin doing our vocabulary in a different way! At the beginning of each chapter you will be given a list of vocabulary words and definitions you are responsible for. Every day we will cover new terms. Your homework each night is to write the word(s) we covered into the vocabulary section of your composition book and also make a new flash card from your index cards. Don’t get behind….this is a great way to prepare every evening for your test. Keep this paper in your science folder or folded in the vocabulary section of your composition book. We will use this sheet to begin reciting the vocabulary on the first day of each new chapter. Composition books and vocabulary cards will be graded during your test on test day. Always remember to have your vocabulary done on time!**

Begin this vocabulary section by writing this header at the top of your page:

**The Nature of Science**

1. Science: a study and understanding of how the world works
2. Scientist: someone who studies how the world works
3. Scientific Method: steps scientists use to answer questions or solve problems
4. Observations: facts collected using the five senses
5. Inferences: an educated opinion based on an observation
6. Hypothesis: a prediction or educated statement using the words if, then, and because; this is based on what you already know!
7. Variable: a factor that can change in an experiment
8. Constants: factors that are kept the same in an experiment and not allowed to change
9. Conclusion : a summary of the results of your experiment; the ending
10. Control: a factor that is left unchanged in an experiment in order to provide a comparison
11. Technology: applied science; new products or tools made because of scientific knowledge
12. Independent variable: a factor or variable that is **purposely** changed; (ip)
13. Dependent variable: a factor or variable that **may** change because of the independent variable

This vocabulary is due the day of the test. Write each word and definition in your composition book and also make a vocabulary card. Please have them finished on time!