Family Math and Science Nights engage students and parents in active investigations that allows them to explore math and science ideas.

All activities are hands-on and link science and math to the real world that provides families the opportunity to learn about a topic in depth.

Please join us at our fun filled Math and Science Night and explore topics like Topographic Maps, Lunar Cycle, 3D figures, ‘Who spread the germs’ lab and much more.

Hope to see you there.
It is the time of the year when you get to start on your science fair project. This year all the Pre-Ap/GT students are required to complete a science fair project. All the other students are also more than welcome to complete a project. Here is the refresher on the steps of scientific method.

**Steps of the Scientific Method**

**ASK A QUESTION:** The scientific method starts when you ask a question about something that you observe:

And, in order for the scientific method to answer the question it must be about something that you can measure, preferably with a number.

**DO BACKGROUND RESEARCH:** Rather than starting from scratch in putting together a plan for answering your question, you want to be a savvy scientist using library and Internet research to help you find the best way to do things and insure that you don’t repeat mistakes from the past.

**CONSTRUCT A HYPOTHESIS:** A hypothesis is an educated guess about how things work:

“if [I do this], then [this] will happen.”

You must state your hypothesis in a way that you can easily measure, and of course, your hypothesis should be constructed in a way to help you answer your original question.

**TEST YOUR HYPOTHESIS BY DOING AN EXPERIMENT:** Your experiment tests whether your hypothesis is true or false. It is important for your experiment to be a fair test. You conduct a fair test by making sure that you change only one factor at a time while keeping all other conditions the same.

**ANALYZE THE DATA**: Once your experiment is complete, you collect your measurements and analyze them to see if your hypothesis is true or false. Scientists often find that their hypothesis was false, and in such cases they will construct a new hypothesis starting the entire process of the scientific method over again. Even if they find that their hypothesis was true, they may want to test it again in a new way.

**COMMUNICATE YOUR RESULTS:** To complete your science fair project you will communicate your results to others in a final report and/or a display board. Professional scientists do almost exactly the same thing by publishing their final report in a scientific journal or by presenting their results on a poster at a scientific meeting.
Why the Interactive Science Notebook?

You have been using the interactive science notebooks (ISN) this year. The Interactive Notebook is divided into two sections, the LEFT side of the notebook is for student work, thoughts, drawings, brainstorms, etc. It should have at least 4 colors. The RIGHT side of the notebook is teacher directed guided notes.

Your INTERACTIVE SCIENCE NOTEBOOK will increase your understanding of science by:
- using writing as a process for discovery and synthesis of inquiry.
- modeling many enduring functions of a scientist – recording information and data, creating experimental diagrams, forming associations and connections to other learning, and asking thoughtful questions.
- improving your ability to organize ideas and information to provide a study reference for each unit, as well as a resource to consult for review prior to tests, and even in high school as you continue in science.
- demonstrating to your teacher and parents your developing organizational skills, understanding of science concepts and ability to express thoughts and feelings in a variety of ways.

Get Organized

It's up to you to achieve academic success. You can start by focusing on getting your day, your materials, and your study time organized.

Use a daily organizer and planner
- Utilize the school provided daily planner to record your schedule and your assignments.
- Some of your teachers may provide individual assignment sheets to help you keep track of your work. Put these sheets to good use. You're a busy person. If you write your assignments down, you won't have to waste energy trying to remember them.

Choose a study time and space
- Look at your daily schedule and plan at least an hour a day of standard study time. Use it to complete homework, review notes, study for tests, or read. Let your family know when your study time is and commit to it.
- Select your study space. Find a spot in your house where you can complete all your work and study. Select a location where you can place all your materials at the end of your study time.

Arrange your locker and keep it clean
- Lockers are small. Consider purchasing a locker organizer. These shelves are inexpensive and add a bit of extra space to your locker.
- Clean out your locker regularly. Every Friday, take home those items you don't need. Gym clothes and multiple jackets take up space and hide the books and notebooks you need to find quickly.

Organize your notebooks
- Label your folders or sections of your notebooks. If you have trouble picking a system, ask your teachers, your counselor, or your parents for tips.

Interactive notebooks can be used for any subject area because they:
- allow you to use both the visual and linguistic parts of the brains.
- make Note taking a much more active process.
- help you to be creative.
- allow you to become directly involved in constructing your own knowledge. Much of the work is actually doing something with the information.
- allow you to become more organized in the learning process.
- become a portfolio of your work over time. You and your parents can track progress throughout the school.

http://www.aie.org/Planning-for-college/Making-choices/get-organized.cfm

To make sure your ISN is up to date. Visit the following link:
http://mcms-science.weebly.com/isn.html

http://www.aie.org/Planning-for-college/Making-choices/get-organized.cfm