INTERACTIVE SCIENCE NOTEBOOK

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 scientists – 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.
- deepening the science skills acquired in prior years by application to 8th grade Earth Science.

Think as a scientist… record as a scientist… and reflect as a scientist!

Required:

1. An **8 ½ x 11-inch spiral notebook of *at least* 100 pages recommended**. Please DO NOT RIP OUT ANY PAGES; you will need all of them! Bring your notebook to class each day.
2. Have **separate loose-leaf paper** for those other assignments that require you to turn in daily graded work. Some **graph paper** will also be required.
3. **Handouts and other teacher provided pages MUST BE glued or clear taped in place.** If printed on both sides, attach so that both sides can be viewed. Please NO staples. You will need **glue sticks** for class.
4. **Organized in the same manner**: right side for *input* (lecture notes, labs, worksheets) and the left side for *output* (drawings, reflections, associations).
5. **Pages should be numbered consecutively,** do not skip pages; **each page titled and dated.**
6. A **Table of Contents** will be kept in the front of the notebook.
7. This **Handout Guide will be glued into the front** of the notebook after signing by you and your parent(s).
8. There will be **notebook quiz or collection of notebooks at least once each quarter**. Grades will be assigned following the general rubric on this handout. **Glue rubric to the inside back cover of your notebook.**
9. Staying current with all entries is vital to your success this year in science. If you are absent copy the right side entries from another student, but complete the left side on your own. Be sure to update your table of contents.

STUDENT: I understand the purpose of the Interactive Science Notebook and will try my best to keep my notebook up-to-date and complete. If I fall behind I will quickly seek out assistance from Mr. Grant either before or after school.

Student Name _____(print)

SIGNED _____ (student signature) date _____

PARENTS: I have read the above information. I understand the purposes of the Interactive Science Notebook and will encourage and monitor my student's completion of notebook work. I will support make-up time either before or after school if necessary.

PARENT SIGNATURE _____ date _____

E-mail contact information _____ and/or cell # _____

More information at the class website http://MyScienceSpace.com

Figure 1: How to Organize Your Notebook

Left side (OUTPUT) Homework	Right side (INPUT) Classwork
The left spiral page demonstrates YOUR understanding of the information from the right side page. You work with the input, and INTERACT with the information in creative, unique, and individual ways. The left side helps focus your attention and guides your learning of the science content and concepts.	Science interactive notebooks are used to help you learn and remember important scientific concepts. Why do they work? This notebook style uses both the right and left-brain hemispheres to help you sort, categorize, remembers, and creatively interact with the new knowledge you are gaining.
What goes on the LEFT side? OUTPUT goes on the left side! • Every left side page gets used! • Always number and date pages • Always use color and organize information… Be creative; it helps the brain learn	**What goes on the RIGHT side?** INPUT goes on the right side! • Always write the date on each page. • Always Title each assignment. • Always number each page consecutively.

What could go on the left side?
• Separate into 4 sections
  ○ Interaction of Earth Spheres
  ○ Connections to prior science knowledge
  ○ Personal reflections & associations
  ○ Planning for Chapter Challenges
• Use any of these techniques:
  ○ Brainstorming Mind maps
  ○ Concept maps Venn diagrams
  ○ Pictures Drawings
  ○ Diagrams Writing prompts
  ○ Flow charts Poems
  ○ Songs Self reflections
  ○ Questions Cartoons
	Guidelines:
	• The right spiral page is for writing down information you are given in class (INPUT)
	• When the teacher lectures, you take notes on the right side.
	• When you take book notes or video notes they ALWAYS go on the right side.
	• Lab activities go on the right side.
	• Any other type of INPUT you get in class
	• Highlight important information
	• No staples, only glue or clear tape

Figure 2: Generic Notebook Rubric

100%	Notebook contents are NEATLY completed, pages numbered, titled, and dated. Right-side/Left-side topics are correct and contents organized according to class model notebook. Table of Contents reflects all entries to date. Right-side notes go BEYOND BASIC REQUIREMENTS. Left Side shows IMPRESSIVE, IN-DEPTH, scientific thought, self-reflections and connections to other learning.
90%	Notebook contents are NEATLY completed, pages numbered, titled, and dated. Right-side/Left-side topics are correct and contents organized according to class model notebook. Table of contents reflects all entries to date. Right side notes MEET requirements and a few go beyond. Left side shows IN-DEPTH scientific thought, self-reflection and connections to other learning.
85%	Notebooks contents are MOSTLY NEAT and complete (at least 90%), pages numbered, titled and dated. Right-side/Left-side topics are correct and contents organized with no more than 1 assignment incorrectly placed. Table of contents reflects at least 90% of all entries to date. Information shows BASIC understanding of content topics. Shows SOME scientific thought, self-reflection and connections to other learning.
75%	Notebooks contents are complete (at least 80%), pages numbered, titled and dated. Right-side/Left-side topics are correct and contents organized with no more than 3 assignments incorrectly placed. Table of contents reflects at least 80% of all entries to date. Information shows a LIMITED understanding of content topics. Shows LIMITED scientific thought, self-reflection and connections to other learning.
65%	Notebook contents are SLOPPY or INCOMPLETE (50%) many pages not numbered, titled or dated. Right-side/Left-side is INCONSISTENT and contents are UNORGANIZED with more than 5 assignments incorrectly placed. Table of contents shows LIMITED attempts of keeping current entries to date. Information and concepts show only a SUPERFICIAL UNDERSTANDING of the subject matter and/or show serious inaccuracies. Shows LITTLE scientific thought or self-reflection.
55%	Notebook turned in, but TOO INCOMPLETE TO SCORE. Majority of pages are missing or incomplete. Does inconsistent dating and labeling, and numbering. Shows minimal understanding of concepts, not neatly written.

0%	Notebook not turned in, NO EVIDENCE of WORK DONE.