

# SCIENCE INTERACTIVE NOTEBOOK

Your **SCIENCE INTERACTIVE 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, data, and experimental diagrams.
- 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 for tests, prior to SOLs, and even in high school as you sequence into Chemistry and Physics
- 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 8<sup>th</sup> grade Physical Science



*Think as a scientist... record as a scientist... and reflect as a scientist!*

## Required:

1. An 8  $\frac{1}{2}$  x 11-inch Mead composition notebook of at least 100 pages (or a similar generic brand with the above criteria. Please **DO NOT RIP OUT ANY PAGES**; you will need all of them! Bring to class each day.
2. Have **separate loose-leaf paper** for those other assignments that require you to turn in daily graded work.
3. **Handouts and other teacher provided pages MUST BE glued or clear taped in place** so that both sides of each sheet are visible at all times. Please **NO** staples.
4. **Organized in the same manner:** right side for *input* (lecture notes, labs) and the left side for *output* (drawings, reflections, worksheets). Each student should have the same things on each page of the notebook. (See Figure 1)
5. **Pages should be numbered consecutively with L and R used for each number; each page titled and dated.**
6. A **Table of Contents** will be kept in the front of the notebook and will be updated each week on the Blackboard site. Mrs. Skwish will keep a master book in her room with pages titled and numbered etc.
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 quizzes or collection of notebooks at least once per quarter**. Grades will be assigned following the general rubric on this handout. (See Figure 2) In addition, a detailed rubric for each Notebook Check will be provided prior to collecting the notebooks or before a notebook quiz, particularly early in the school year. Notebook checks and quizzes will total a test grade (100 points).
9. A **Weekly Science Notebook Lunch Session on Wednesdays** will be held for students wishing to work on updating or completion of activities. This is particularly valuable if there has been an absence. Staying current with all entries is vital to your success this year in science. This may also be done during after school sessions.
10. Each Quarter your **Notebook Check(s) will be the equivalent of a major test.**

**STUDENT:** I understand the purpose of the Science Interactive Notebook and will try my best to keep my notebook up-to-date and complete. If I fall behind, I will quickly seek out Notebook time either at lunch or during an after-school period.

Student Name \_\_\_\_\_ (Please print.)

SIGNED \_\_\_\_\_ (Student Signature) Date \_\_\_\_\_

**PARENTS:** I have read the above information. I understand the purposes of the Science Interactive Notebook and will encourage and monitor my student's completion of notebook work. I will support make-up time either at lunch or after school if necessary. I understand that Mrs. Skwish will notify me by e-mail or phone if my child has not turned in his/her notebook on time.

PARENT SIGNATURE \_\_\_\_\_ Date \_\_\_\_\_

**Figure 1: How to Organize Your Notebook**

<b>Left side (OUTPUT)</b>	<b>Right side (INPUT)</b>
<p>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.</p>	<p>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.</p>
<p><b>What goes on the LEFT side?</b>            OUTPUT goes on the left side!</p> <ul style="list-style-type: none"> <li>• Every left side page gets used! Page Number with L, date</li> <li>• Always use color and organize information... It helps the brain learn</li> </ul>	<p><b>What goes on the RIGHT side?</b>            INPUT goes on the right side!</p> <ul style="list-style-type: none"> <li>• Always write the date on each page.</li> <li>• Always Title each assignment.</li> <li>• Always number each page consecutively with R or L.</li> </ul>
<p><b>What could go on the left side?</b></p> <ul style="list-style-type: none"> <li>• Brainstorming      Mind maps</li> <li>• Concept maps      Venn diagrams</li> <li>• Pictures              Drawings</li> <li>• Diagrams            Writing prompts</li> <li>• Flow charts        Poems</li> <li>• Homework           Songs</li> <li>• Worksheets        Self reflections</li> <li>• Labs                  Quizzes, tests</li> <li>• Class work or teamwork activities</li> <li>• No staples, only glue or clear tape</li> </ul>	<p><b>Guidelines:</b></p> <ul style="list-style-type: none"> <li>• The left/right pages have the same number but an L or R designation following the page number (i.e.: 14L and 14R )</li> <li>• The right spiral page is for writing down information you are given in class (INPUT)</li> <li>• When the teacher lectures, you take notes on the right side.</li> <li>• When you take book notes or video notes they ALWAYS go on the right side.</li> <li>• You may use Cornell Style Notes on the right pages.</li> <li>• Lab activities go on the right side.</li> <li>• Any other type of INPUT you get in class</li> <li>• No staples, only glue or clear tape</li> </ul>

**Figure 2: Generic Notebook Rubric**

<p><b>90%</b></p>	<p>Notebook contents are NEATLY completed, titled, dated, and labeled.            Pages are numbered correctly.            Right-side/Left-side topics are correct and contents organized according to class model notebook.            Table of Contents reflects all entries to date.            Lecture notes go BEYOND BASIC REQUIREMENTS.            Uses color and effective diagrams.            Shows IMPRESSIVE, IN-DEPTH, self-reflections.</p>
<p><b>82%</b></p>	<p>Notebook contents are NEATLY complete, dated, and labeled.            Pages are numbered correctly.            Right-side/Left-side topics are correct and contents organized according to class model notebook.            Table of contents reflects all entries to date.            Includes MOST OF THE TRAITS OF AN A but LACKS EXCELLENCE in all areas.            MOST areas meet requirements but don't go beyond.            Shows IN-DEPTH self-reflection.</p>
<p><b>75%</b></p>	<p>Notebooks contents are mostly neat and complete (at least 90%), dated and labeled.            Pages are numbered correctly.            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.            Uses color and some diagrams.            Information shows BASIC understanding of content topics.            SOME areas meet requirements, but don't go beyond            Shows LIMITED BUT REAL self-reflection.</p>
<p><b>70%</b></p>	<p>Notebooks contents are complete (at least 80%), dated and labeled.            Pages are numbered correctly.            Right-side/Left-side topics are correct and contents organized and organized with no more than 3 assignments incorrectly placed.            Table of contents reflects at least 80% of all entries to date.            Uses minimal color and few diagrams.            Information shows a LIMITED understanding of content topics.            FEW areas meet all requirements            Shows SOME real self-reflection.</p>
<p><b>65%</b></p>	<p>Notebook contents are INCOMPLETE. More than half the pages are incomplete.            SOME attempt at dating and labeling of entries is made. Majority of pages are not 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.            Notebook is NOT NEATLY WRITTEN            Shows LITTLE real self-reflection.</p>
<p><b>50%</b></p>	<p>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.</p>
<p><b>0%</b></p>	<p>Notebook not turned in, NO EVIDENCE of WORK DONE.</p>

Scores above 90% A may be earned for extra effort or assignments for a maximum of 100% A+.