

# INTERACTIVE SCIENCE NOTEBOOK Guidelines #1

Your INTERACTIVE SCIENCE NOTEBOOK (ISN) 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.
- 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.

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

## Required:

1. A bound Composition notebook with at least 100 pages (first one provided by teacher). NO spiral bound. Please **DO NOT RIP OUT ANY PAGES**; you will need all of them! YOU MAY TAKE YOUR NOTEBOOK HOME BUT BE SURE IT COMES BACK TO CLASS EVERYDAY!
2. Have separate loose-leaf paper for those other assignments that require you to turn in daily work.
3. Handouts and other teacher provided pages **MUST BE** taped or lightly glued in place so that both side of each sheet are visible at all times. Please NO staples.
4. Organized + NEAT: right side for input (Content) (lecture notes, labs) and the left side for output (Creative) (drawings, reflections, worksheets), (See Figure 1)
5. A Table of Contents will be kept in the front of the notebook and will be updated regularly.
6. This Handout Guide will be glued/taped into the front of the notebook after signing by you and your parent(s)/guardian.
7. A Weekly Science Notebook After-School Session will be held on Tuesday during Coach Class 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. If you need additional assistance speak to Mrs. Reigel to set up another session opportunity.
8. Each Quarter your Notebook Check(s) will be the equivalent of a major test. There will also be smaller 10-point notebook checks several times a quarter. Late notebooks will be penalized.  
**(PLEASE REFER TO THE NEXT TWO SHEETS FOR GUIDELINES AND GENERIC RUBRIC.)**
9. Labs and other class assignments will be graded separate from Science Notebooks
10. If you are absent, it is your responsibility to update your Science Notebook by looking at the class master notebook and/or getting help from classmates or Mrs. Reigel. **Being absent is not an excuse for not having your notebook up-to-date.**

**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 during Coach Class or at another time by appointment.

**Student Name** \_\_\_\_\_ **(print)**

**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. Reigel will notify me by phone or e-mail if my student has not turned in his/her notebook on time.

**PARENT/GUARDIAN SIGNATURE** \_\_\_\_\_ **date** \_\_\_\_\_

**Phone:** \_\_\_\_\_ **Email:** \_\_\_\_\_

## Science Notebook Instructions - Getting Started!

The Cover: Personalize your cover. Decorate it with anything you like - science pictures, sports, music groups, etc.

**No foul language, pictures of death, naked people or any other images/words inappropriate for school.**

Number the pages in the **upper-right corner**, do **all** the pages in your notebook

Inside the front cover write your **Name** and **Class Period**. Then, on the **first** page of your notebook, create an author page introducing who you are as a person and what you hope to get out of Science this year. (Cactus Man)

On **page two** glue in the Class Syllabus

On **page three** glue in Mrs. Reigel's Class Procedures

On **page four** glue in Science Interactive Notebook Guidelines #1

On **page five** glue in Interactive Science Notebook Guidelines# 2

On the **next four** pages use a ruler to create a table of contents similar to the one below, include the items listed below in your table of contents.

Date	Assignment Name	Page #	Grade/Stamp
8/25/14	Author Page	1	
8/25/14	Biology Course Syllabus	2	
8/25/14	Mrs. Reigel's Procedures A-Z	3	
8/26/14	Interactive Science Notebook Guidelines #1	4	
8/26/14	Interactive Science Notebook Guidelines #2	5	
8/26/14	Table of Contents	6-9	
8/26/14	Science Safety Contract	10	

Be sure to see Mrs. Reigel to choose a ribbon to place in the back of your notebook for a bookmark.

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

Left side (OUTPUT)	Right side (INPUT)
The left 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.
<b>What goes on the LEFT side?</b> OUTPUT goes on the left side! <ul style="list-style-type: none"> <li>Always use color and organize information... It helps the brain learn.</li> </ul>	<b>What goes on the RIGHT side?</b> INPUT goes on the right side! <ul style="list-style-type: none"> <li>Always write the date on each page</li> <li>Always TITLE each assignment</li> </ul>
<b>What could go on the left side?</b> <ul style="list-style-type: none"> <li>Brainstorming    Mind maps    Summary Techniques</li> <li>Concept maps    Venn diagrams    Alphabet Review</li> <li>Pictures    Drawings    1-word/image summaries</li> <li>Diagrams    Writing prompts    321 Reviews</li> <li>Flow charts    Poems/Limericks    Parent interview about...</li> <li>Homework    Songs/Raps    I now understand...</li> <li>Worksheets    Self reflections    The important thing is...</li> <li>Labs    Quotes/Cartoons    Venn diagrams</li> <li>Class work or teamwork activities    Tables/Graphs</li> <li>1 word/image summaries    Self-reflections</li> <li>CD label with the "big idea" as the title and supporting points as song tracks</li> <li>I learned.../I wonder.../I am surprised.../I know understand/    I rediscovered.../The important thing about...</li> <li>THE POSSIBILITIES ARE ENDLESS, WHAT YOU SEE HERE IS JUST A START. WE WILL DO MORE OVER THE COURSE OF THE YEAR.</li> </ul>	<b>Guidelines:</b> <ul style="list-style-type: none"> <li>The right page is for writing down information you are given in class (INPUT)</li> <li>Write down information from:               <ul style="list-style-type: none"> <li>lectures</li> <li>readings</li> <li>presentations</li> <li>videos</li> </ul> </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>

### Grading of Notebooks

Notebooks will be graded several times a quarter. Sometimes I will grade them and sometimes they will be peer graded. Additionally, I will sometimes use the notebooks for open-note quizzes and test. If a student should do poorly on a notebook assessment, **they will have a limited amount of time to make corrections to improve their grade.** **Bottom-line – keep your notebook up-to-date.**

Below is the rubric I will use at the end quarter.

**ISN Quarter Assessment Rubric**

Category	<b>12 Unsatisfactory</b>	<b>15 Partially Proficient</b>	<b>18 Proficient</b>	<b>20 Advanced</b>
<b>Left Side Self Reflection Connections</b>	Shows little processing of science content & or cannot make connections.  BLANK PAGES! RED ALERT!!!	Shows some processing to science content but reflections are minimal or hard to understand	Shows basic reflections to science content and make minimal connections to experiences	Shows In-Depth reflections and relates science content to real life personal experiences

Category	<b>12 Unsatisfactory</b>	<b>15 Partially Proficient</b>	<b>18 Proficient</b>	<b>20 Advanced</b>
<b>Right Side Detail of Input</b>	Information is missing or not completely done. Presentation on information needs to be improved	Some information is missing. Still needs improvement on presentation of information given.	All information given is recorded. Shows some care & attention. Minor corrections needed in presentation	Very detailed, shows care & attention to science concepts. Added some additional information

Category	<b>6 Unsatisfactory</b>	<b>7 Partially Proficient</b>	<b>8 Proficient</b>	<b>10 Advanced</b>
<b>Page numbers</b>	Many page numbers are missing and or all are incorrectly placed	Few page numbers missing and or a few incorrectly placed	All page numbers written but only one is missing or out of place	All pages numbers are correctly placed and are very neatly written
<b>Table of Contents</b>	5 or more entries missing and/or incomplete	Missing 4 or more entries and/or messy and hard to follow	Includes all dates, titles & page numbers. 3 or less entries hard to read or miss recorded	Includes all dates, titles & page numbers. Very neatly organized & written
<b>Color &amp; Diagrams</b>	Uses no color &/or diagrams	Uses some color & diagrams but not consistently in the appropriate place	Uses color & basic diagrams/charts or graphs	Uses color & detailed diagrams/charts or graphs consistently & where appropriate
<b>Organization &amp; Neatness</b>	5 or more pages missing or incorrectly placed. Student needs to utilize before/after school time to improve	3 pages are incorrectly placed, attention to neatness & detail is needed. Student needs to utilize master copy.	No more than 3 pages are placed incorrectly. Attention to neatness & detail apparent	Every page is in placed neatly in the appropriate place. Great attention to neatness & detail

STUDENT ASSESSMENT \_\_\_\_\_/50

TEACHER ASSESSMENT \_\_\_\_\_/50