

SCIENCE INTERACTIVE NOTEBOOKS GUIDELINES

Think as a scientist... Record as a scientist. Reflect as a scientist!

WHAT IS IT?

The purpose of your interactive notebook is to collect record and organize science information in a creative way. You will actually become involved in the information by making charts and graphs, illustrating your notes and expressing your thoughts. Creating this portfolio of your science information will allow you to demonstrate what you have learned and help you to remember the information. This notebook will also serve as a great tool to help you stay organized. The best part is that it gives you permission to be playful and creative in your responses without "messing up" your notes.

WHAT WILL I NEED?

- 1 SUBJECT COMPOSITION Notebook
- Scissors
- Small glue bottle or glue sticks (need 2 per month)
- Erasable Colored Pens/Pencil
- Colored Pencils
- Highlighters

GUIDELINES:

STUDENT SIDE = LEFT SIDE = LOVES YOUR WORK: The left side is where students interpret right side information into graphics, other writing forms, new ideas, and questions. The left side stresses that just copying notes is not learning. Students must internalize and re-express the information in a creative format on the left side.

MRS. PAPER SIDE = RIGHT SIDE = RESTRICTED: The right side is where common information is recorded that all students must know. This is where you will find content information. Handouts with new information also go on the right spiral page.

- Your notebook will live in our science classroom.
- Your interactive notebook should have a decorated **cover as well as an author's page**
- Your interactive notebook should contain a **detailed table of content**, inside the front cover.
- Each page** of the notebook should be **numbered**
- USE COLOR.** Use colored pens, gel pens, or colored pencils when doing the **LEFT SIDE** activities. **Color helps the brain organize and remember information.**
- Always take notes on the **RIGHT** hand pages. (The **LEFT** hand pages are a way for you to process the information you took in from the **RIGHT** Side.)
- Handouts should be **GLUED** into the notebook. Handouts may need to be trimmed to keep them from sticking out.
- NEATNESS COUNTS.** This is a reflection of you and your work ethic.
- Each day we use your notebook, you will **DATE & TITLE** assignments.

HOW DO I ORGANIZE MY NOTEBOOK?

<p>STUDENT SIDE = LEFT SIDE = LOVES YOUR WORK: 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>(SHOWING UNDERSTANDING AND CREATIVITY)</p>	<p>MRS. PAPER SIDE = RIGHT SIDE = RESTRICTED: 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. This is where you put incoming information such as notes, labs, reading summaries, etc</p> <p style="text-align: right;">(GIVEN INFORMATION)</p>	
<p>On the LEFT SIDE, you should: Date, Title and number each page (ODD numbers only 1,3,5,7,9...)</p>	<p>On the RIGHT SIDE, you should: Date, Title and number each page (EVEN numbers only 2,4,6,8,10...)</p>	
<p>USE LOTS OF COLOR! (Highlighters, colored pencils/ pens, no markers or crayons)</p>	<p>USE BLUE/BLACK ink or PENCIL only!</p>	
<ul style="list-style-type: none"> • 3-2-1 Reviews • Analogies/Metaphors • Brainstorming • Billboard Advertisement/Poster • Bullseye Concept • Cartoon/Caricatures • Chart, Graphs or Tables • Chant/Cheer • Commercial • Concept Map • Diagram/Drawings • Dialouges • Fables/Fairy Tale • Foldables • Flow Charts • Graphic Organizers • Haiku, Limericks • Illustrated Timelines • Jokes/Riddles • Letter to parent or absent student • Magazine Ad • Mnemonic Devices • Newsflash/News Article • Outcome sentences: <ul style="list-style-type: none"> ○ I learned... ○ I wonder... ○ The important thing about... ○ I am surprised that... • PEOE: Predict, Explain, Observe, Explain • Persuasive letter • Quotes 	<ul style="list-style-type: none"> • RAFT • Raps/Songs • Real Life Connections • Say It in a Sentence (summary) • Self Reflections • Short Story • SOAL (Summary Of All Learning) • Story Boards • Student-generated questions • T-Shirt Art • Venn Diagrams • Vocabulary <ul style="list-style-type: none"> ○ Flash Cards ○ Picture Dictionary ○ Frayer Model • “Wanted” Posters • Write a Quiz/Test... • Word webs • Writing Prompts <p>Things I should do on the LEFT side..</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> I should use COLORS <input checked="" type="checkbox"/> I may sometimes be required to explanation at the bottom of page telling how the output shows an understanding. <input checked="" type="checkbox"/> may require an explanation why and how it helps you to learn 	<ul style="list-style-type: none"> • Notes <ul style="list-style-type: none"> ○ Teacher guided ○ Powerpoint presentation ○ Movie/Video • Excerpts from the Text • Diagrams • Newspaper/Magazine Articles • Vocabulary words • Lab Reviews • Worksheet Assignment • Textbook Assignment • Small/Large Group Discussion • Study Guides • Reading Responses • Reflections <p>Things I should do on the RIGHT SIDE</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Put a <u>box</u> around the title of notes page <input checked="" type="checkbox"/> Ask myself what do I already know about the topic <input checked="" type="checkbox"/> Formulate questions I have about the TOPIC and see if they are answered in the notes <input checked="" type="checkbox"/> Circle KEYWORDS <input checked="" type="checkbox"/> Make connections to self, text, world <input checked="" type="checkbox"/> Re-read

ASSIGNMENT #1-YOUR COVER:

Setting Up Your Notebook

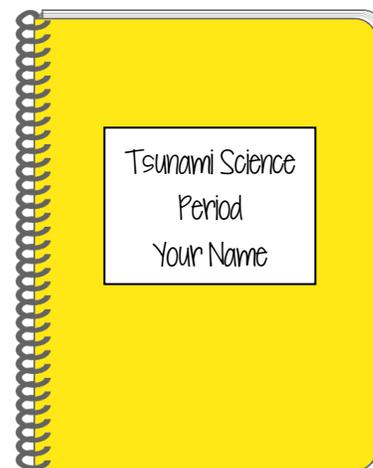
Part A: Design

Your cover should have the following basic elements in writing on an index card taped in the middle of your front cover. It should be easily readable by anyone who looks at it! It should look like this:

Part B: Visual Content: Scientific Information

This year our units of study are:

- | | |
|--|---------------------|
| ✓ Thinking and Acting Like A Scientist | ✓ Energy |
| ✓ Pendulums | ✓ Forces and Motion |
| ✓ Cells and Genetics | ✓ Sound |
| ✓ Magnetism | ✓ Light |
| ✓ Static and Current Electricity | |



Draw or use magazines (clipart works, too!) or even print images from the Internet (**SCIENCE ONLY**) to illustrate the major topics within the design of your cover.

You can use words in your illustrations if it helps your design.

ASSIGNMENT #2: CREATING AN AUTHOR'S PAGE FOR THE INTERACTIVE SCIENCE NOTEBOOK

Now that you have created a cover, you need to create a special page about you. Remember that this is your notebook – it should be all about you! On the first page you are going to create this author's page.

Content: Your author's page should have the following basic elements in writing somewhere on the inside cover and be easily readable:

- Your Name
- Your strengths as a student, your weaknesses as a student
- Your likes and dislikes
- Anything else you would like me to know! ☺

Visual Content: Identify one aspect of yourself as a person or as a student and place it on your author's page. If you are a football player, use the football as a symbol for yourself. If you play the piano, use the piano as your symbol and include it in your design. The symbol can be your favorite thing, a hobby, or something special about you.

Use your creativity to develop an author's page you can be proud of. It can be in mixed media, which means you can use colored pencils, magazine cut-outs, construction paper, etc. in combination to create an author's page that reflects your own personal interests. You are not limited to any special design or media types. Use computer art or your own handwriting! Just make it personal to you.

CHAPTER UNIT TITLE PAGE: Each unit of instruction (this is a chapter in the book) will have its own introductory page or title page in the notebook. Students will preview the unit and find three images that reflect the information in the chapter. The cover page will include the following information:

1. Title of the chapter
2. The standards covered
3. Three images that represent the chapter

Students will use a minimum of four colors ☺ (black and white not counting as colors) and the entire page should be colored(little to no white space). **Colored pencils are always accepted and crayon and markers may never be used because it comes off on the other pages when you write in the notebook.**