Welcome to
Day One
Interactive Notebooks (INB)

Please get out your science composition notebook, a pencil, a pen and your colored pencils and put them on your desk.

Please put your backpack on the counter against the wall.
SCIENCE INTERACTIVE NOTEBOOK

“Your Key To Success in Science”
Have you ever heard yourself say ...

I can't find my ... notes, homework, old quizzes ...

I can't remember what we did in class yesterday.

I'm sure it's in ... my backpack ...

I was absent last week, did I miss anything?
Interactive Notebook!

Even though we may not think it, scientists are very organized. One tool they use to keep organized is a notebook. Their notebooks contain their closely guarded secret findings, and sometimes patented solutions to problems.

YOU are a scientist! Believe it or not! So you will be required to maintain a science notebook for your 7th grade science class. Everything you receive in my class will become part of your notebook.

Now you will have a prized possession just like other scientists!
What is An Interactive Notebook?

✔ A interactive notebook (INB) your own personalized DIARY of learning about science

✔ A portfolio of your work in ONE convenient spot. This is great for studying for upcoming quizzes & tests

✔ A great ORGANIZATIONAL tool that gives you permission to be PLAYFUL AND CREATIVE in your responses without "messing up" your notes.

✔ Allows you to be like a REAL SCIENTIST!
February 18th, 1876

Thomas Edison

In the style during this afternoon.

[Sketch of a device for a new transmission system for the autograph telegraph.]

Yesterday, Mr. Watson suggested a device for a new transmission style for the autograph telegraph. I have been at this system this afternoon, and it promises complete success.

The method is to be carried upon ordinary paper, with ordinary letters to be imitated into letters for the burning of the word. It of the form A, B, C, etc., where the outer surface presses the carbon sufficiently to bring the points B or E in contact with it.
What will my notebook look like?

• All the pages will be numbered
• Everyone will be on the same page at all times
• Warm-ups will be done on another page and taped into my notebook daily
• Every page will have a date and each day you will enter items into your table of contents and possibly your Index

• EVERYTHING will be in your science notebook!

Let’s check out some Notebook Rules…
Notebook Rules

• Do not RIP OUT pages or tear corners
• All handouts MUST BE GLUED/TAPED IN!
• Please don’t DOODLE unless it relates to science
• Your INB should only be used for SCIENCE CLASS and COMES TO CLASS EVERYDAY
• Each page should have the DATE, PAGE# and TITLE
• Write ALL entries in the Table of Contents
• BE COLORFUL & LOVE YOUR NOTEBOOK
Getting Started: Step 1

For the front of your INB…

• The name of the course:
  – 7th Grade Earth Science

• The class period that you have science:
  – Ex. Period 1

• Your teacher: Mrs. Saylor

• Your name: (self explanatory)

• You may want to put science pictures on the front/back of your notebook.
Now you will number the first 50 pages.

The 1\textsuperscript{st} page is 1 – EVEN numbers will always be on the RIGHT and ODD numbers on the LEFT. Number at the TOP OUTSIDE CORNER of every page.
Step 3

- Label the following pages on the top line with their title listed on their prospective page number:

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<th>2-8</th>
<th>9</th>
<th>10</th>
<th>11</th>
<th>12</th>
<th>13</th>
<th>14</th>
</tr>
</thead>
<tbody>
<tr>
<td>Table of Contents</td>
<td>Class Policies</td>
<td>Lab Safety Contract</td>
<td>Thinking Maps</td>
<td>Reflection Starters</td>
<td>Guidelines for Science Notebook</td>
<td>Rubric for Science Notebook</td>
</tr>
</tbody>
</table>

**Pages 15-18 will remain blank for future items**
The last four pages of your INB will be your INDEX. The index will be divided up into alphabetical order.

Let’s turn to the doc camera for the example
For the Rest of Class...

• Complete your AUTHOR’S PAGE and the COVER of your INB

• Both are DUE by the end of class tomorrow, **Wednesday, August 8**.

• You can do these on a separate piece of paper and paste them into/onto your notebook.

• Have Fun!
Welcome to Day Two Interactive Notebooks (INB)

Please get out your science composition notebook, a pencil, and put them on your desk.

Please put your backpack on the counter against the wall.

Think First 5!!
# Table of Contents

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</tbody>
</table>
The notebook is divided into TWO sections.

**Left Side-Right Side: WHICH SIDE?**

- The **Left side** “LEARNS”. This is the side contains only **information given by me, Mrs. Saylor. Nothing else should be placed on the LEFT SIDE!!**

- The **Right side** “REFLECTS”. This is the side that you write conclusions, analyze experiments and reflect on lessons, experiments or tests.
Left SIDE: MY SIDE

• The **RIGHT SIDE** belongs to me, Mrs. Saylor, and therefore should only contain **information given or “input” from me.**

• This is the **ESSENTIAL** information that will **DEFINITELY** be on a quiz or test. Nothing else should go on this side.

ODD PAGES =1, 3, 5, 7, 9...YOU GOT IT..
Examples of Left Side “Input”

- Notes from
  - Powerpoints
  - Movie/Video
  - Article Readings

- Scientific vocabulary exercises

- All labs

- Study Guides

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4.5c

Flow of energy through food webs

All organisms are part of a food web. Several food chains, which are linked, make up a food web. A food chain identifies the roles organisms use to get the food they need to survive. The sun, which is the source of energy, is the start of food chains. Food chains also contain producers, consumers, and decomposers. A producer is a plant. Plants use sunlight to make food. The greatest amount of energy in a community is in the producers. Primary, first-level, consumers are animals that eat plants. Secondary, second-level consumers, eat an animal for their food source. You have heard these called herbivores, carnivores, and omnivores. Do you remember the difference? Decomposers are organisms that break down wastes and dead plants or animals. The sun’s energy cycles through ecosystems from producers through consumers and back into the nutrient pool through decomposers.

For example, a simple food chain might be the sun, grass, mouse, fox, and maggots. In this food chain what is the producer? What is the decomposer? What is the source of energy? This food chain is part of a larger food web. Can you see that changing the mouse to a rabbit makes a different food chain but in the same food web? What other chains in this food web could we create? Can you identify which are primary/secondary consumers, producers, and decomposers?
RIGHT SIDE: YO SIDE

- The **RIGHT SIDE** belongs to you. Every right side page gets used!

- **Output exercises:** summaries, thinking maps, tables, graphs, word webs, concept maps, diagrams, Venn diagrams, pictures/drawings, brainstorming, poems, raps, quotes, songs, cartoons, weird and bizarre thoughts and ideas and reflections.

*Even Pages = 2, 4, 6, 8..YOU KNOW IT.*
Warm-ups

The warm-ups are also placed on the LEFT side of the notebook. You will get a blank piece of notebook paper, do the warm-up and tape it in your book on the left side. Warm-ups act as a reinforcement of the lesson. Remember, warm-ups are done in the First 5!
Bell Work #1

Fill in the missing word.

Left  Right  Notebook Paper

Handouts from Mrs. Saylor go on the ___A___ side. I get to be creative, analyze and show what I learned on the ____B____ side. My warm-ups will be done on ___C_____ and taped on the ___D____ side of my notebook.

Answers:

A. Left
B. Right
C. Notebook Paper
D. Left
FOLDABLES

**States**

- Solid: defined volume and shape
- Liquid: defined shape but not volume
- Gas: no defined volume or shape

**Plasma**

- State of matter that has definite volume and definite shape.
- Atoms in a solid are held tightly together.
- Solid: solidifying gas.
- Solid melting liquid.
- Liquid freezing solid.
- Liquid boiling gas.
- Gas condensing liquid.

**Gas**

- State of matter that has definite volume but no definite shape.
- Atoms in a liquid are held loosely together.
- Liquid freezing solid.
- Liquid boiling gas.

**Moon Phases**

- First Quarter
- Waxing Gibbous
- Full Moon
- Waning Crescent
- Last Quarter
- Waxing Crescent
- Waning Gibbous

The half of the moon that faces the Sun is facing away from us, so we don't see it. We see half of the moon that is lit by the Sun. A half of a half is only a quarter.
Foldables

Complete Metamorphosis

Egg Larva Pupa

Adult

3 Kinds of Natural Resources
**GRAPHIC ORGANIZERS**

**Renewable Resources**
- Can be replaced
- Can be replaced quickly
- Are material resources, except oxygen
- People use them
- Are sources of energy
- This type of energy people cannot use up
- Solar energy (Sun)
- Ocean water
- Wind

**Nonrenewable Resources**
- Cannot be replaced quickly
- Needs years to replace
- Are material resources except oxygen
- Can be replaced within a human life time
- Both need the Sun energy (Plants)
- We should use them to power our environment
- Like my dad's car

**Inexhaustible Resources**
- Plants
- Animals
- Water
- Oxygen

**Shared Aspect**
- In nucleus
- Protons
- Mass
- Neutrons
- Mass
- Mass
- Positive
- Negative
- Atomic mass
- Equal
- Mass
- Mass
- Equal
- Protons
- Neutrons
- Electrons
- Electrons
- Mass
- Mass
- Mass
- Equal
- Protons
- Electrons
- Neutral
- When equal atom is neutral
What Do Students Say About INB's?

• “INB's are easy to do and worth a lot of points, so take time and effort to do them well.”

• "Always update your table of contents so papers don't get messed up - or in case of an INB check."

• "An INB is a great tool, keep it organized!"

• "You have to spend quality time on your INB."

• "Don't leave your INB until the last day, otherwise you may be up to the early morning hours finishing assignments."

• "Colorize things. It looks so much better that way"

• "Keep it in order, because you never know when a notebook check might come up."

• "Do not save your INB until the last minute. Remember, it counts more than a test."
Something to remember, since you will be lost without your science notebook, you must bring it with you every day!

By failing to bring your notebook, you are putting yourself in jeopardy and possibly putting your lab group in jeopardy; meaning you will lose 5 points for not having it!!