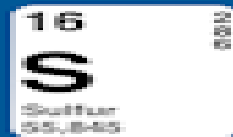
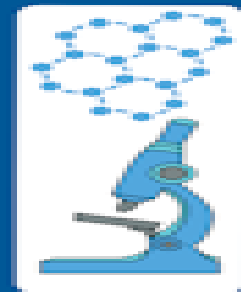


INTERACTIVE NOTEBOOKS



EVERY SCIENTIST, MATHEMATICIAN, JOURNALIST, AND WRITER HAS A PLACE TO RECORD THEIR NOTES, THINKING, AND FINDINGS!

LONTARRIS WILLIAMS
(E.B.R.P.S.S.)



WHAT IS AN INTERACTIVE NOTEBOOK ?

- A place to record information and increase student understanding of concepts.
- Demonstrates content learned and reflective knowledge by the student.
- Collection of student work throughout the year/Portfolio
- Study Tool / RTI
- Left Side/ Right Side Notebooks supports structured lessons
- Increase communication between the stakeholders.
- Supports ELL (Visuals, Pictures, Vocabulary)

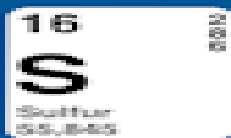
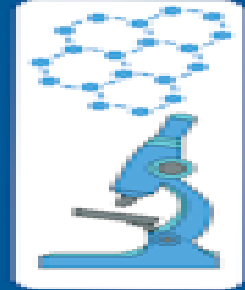
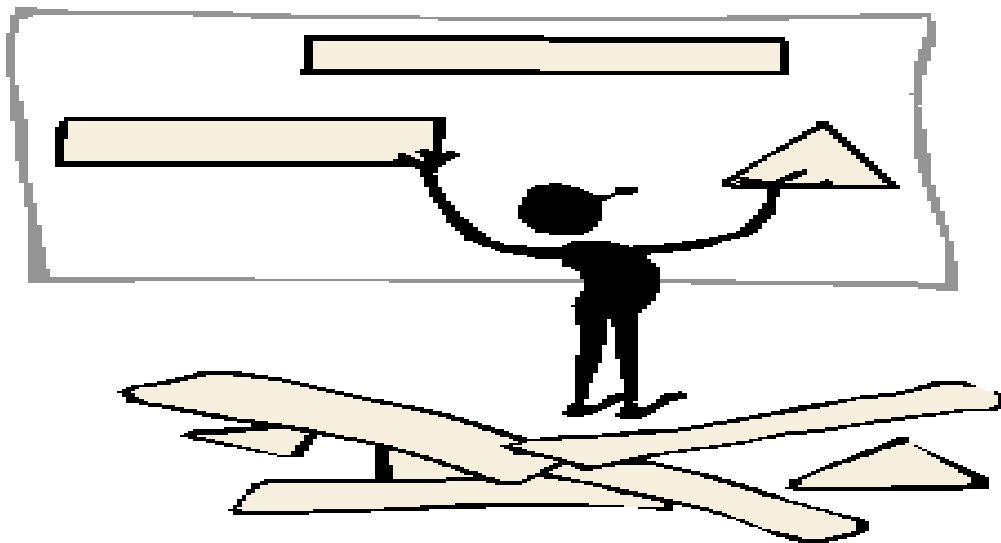


HOW SHOULD YOU USE THEM IN THE CLASSROOM

- Students should use their notebooks everyday.
- It should contain all your work completed in the particular content area.
- It should have an organized format and be regularly reviewed by the teacher.



LETS TALK ABOUT ORGANIZATION OF THE NOTEBOOK!



INTERACTIVE NOTEBOOK SUPPLIES



SPIRAL NOTEBOOK



GLUE/GLUE STICKS

**TURN TO YOUR NEIGHBOR!
WE WILL USE SCISSORS TODAY,
BUT IT DOES NOT HAVE TO BE
PERFECT!**

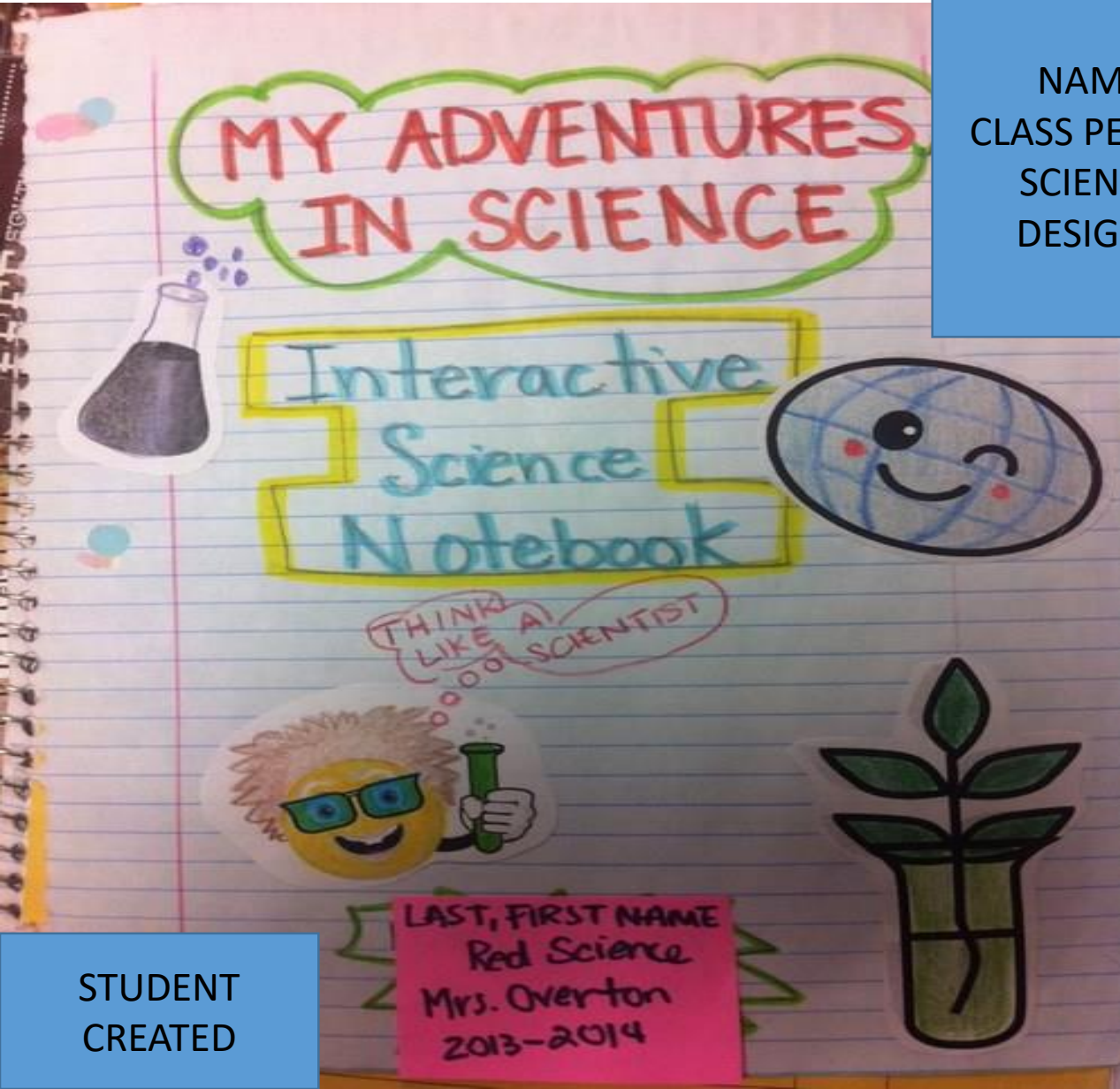


**WRITING TOOLS
PENCILS
CRAYONS
COLOR PENCILS**



SCISSORS

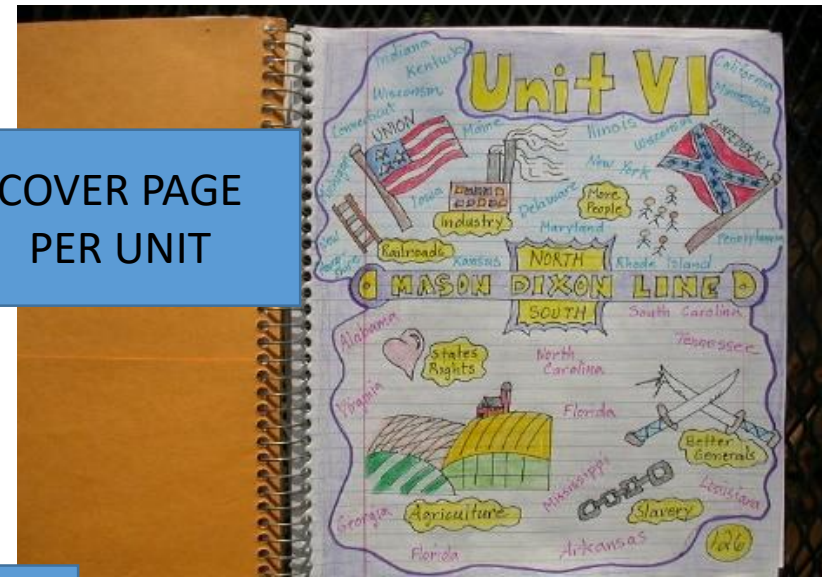
STUDENT COVER PAGE



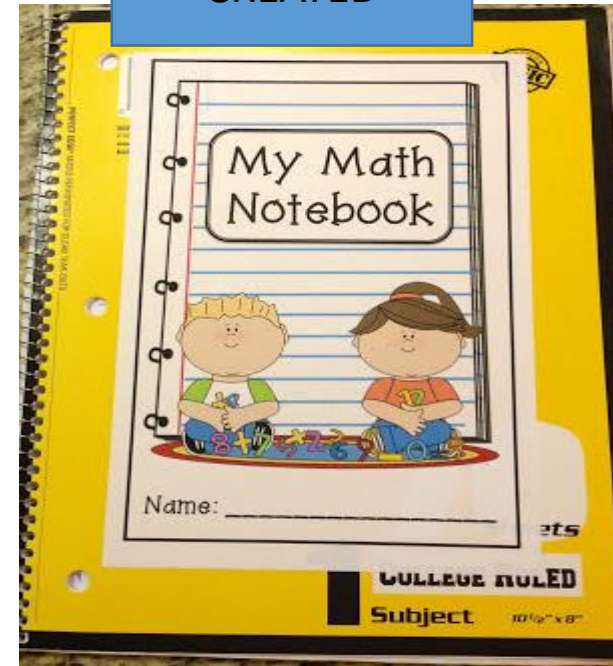
STUDENT
CREATED

NAME
CLASS PERIOD
SCIENCE
DESIGNS

COVER PAGE
PER UNIT



TEACHER
CREATED

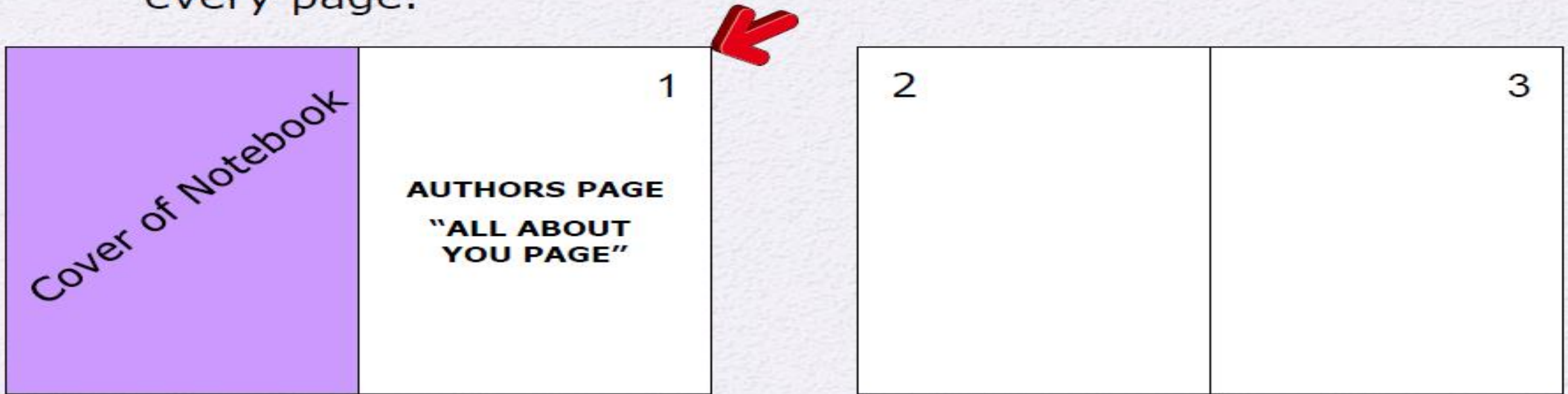


STEP 1
TAKE A
MOMENT TO
PERSONALIZE
YOUR FRONT
COVER

Step 2:

Overlay-Blank.jpg

- Starting with the first page, number the first **20** pages. Numbers should be small and at the top outside corner of every page.



*(Skip pages **0-4** .These will be **REFERENCE PAGES**)*

REFERENCE PAGES INCLUDE:
RULES AND PROCEDURES
LAB SAFETY
SAMPLE LAB REPORT
GRADING PAGE

OVERAL NOTEBOOK RUBRIC (EXAMPLE)

- Correctness
 - 4 - Demonstrates a thorough understanding of the subject matter
 - 3 - Demonstrates a general awareness of concepts
 - 2 - Demonstrates a limited awareness of concepts
 - 1 - Demonstrates a minimal understanding in discussion of concepts

Higher-Order thinking

- 4 - Contains elaboration, extension, and/or evidence of higher-order thinking and relevant prior knowledge
- 3 - Some evidence of elaboration, extension, higher-order thinking, and relevant prior knowledge
- 2 - Limited evidence of elaboration, extension, higher-order thinking or relevant prior knowledge
- 1 - Little to no evidence of elaboration, extension, higher-order thinking, or relevant prior knowledge

Scientific vocabulary

- 4 - Strong use of scientific terminology; defined terms
- 3 - Acceptable vocabulary; majority of scientific terms defined
- 2 - Simplistic vocabulary; few scientific words defined
- 1 - Inappropriate vocabulary

Organization

- 4 - bound notebook, neat, in order, tabs visible, table of contents
- 3 - four of the previous requirements
- 2 - three of the previous requirements
- 1 - two or less of the previous requirements

Grammar

- 4 - Strong control of English Conventions
- 3 - Minor errors with English Conventions have little to no effect on communication
- 2 - Errors in English Conventions are disproportionate to length and interferes with communication
- 1 - Errors in English Conventions interfere with communication

Grade

A 20-18, B 17-15, C 14-12, D 11-9, F 8-0

**GLUE YOUR
RUBRIC TO THE
BACK OF YOUR
COVER PAGE!**



Math Notebook Rubric

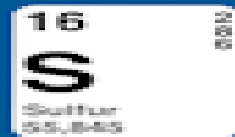
Student: _____

CATEGORY	wow! (4)	Good. (3)	Almost. (2)	Poor. (1)	SCORE
Neatness & Organization	Handwriting is neat. Notebook is organized in an easy-to-understand format.	Handwriting is usually neat. Notebook is organized in an easy-to-understand format.	Handwriting is not very neat. Notebook organization is not easy to understand.	Handwriting is sloppy and hard to read. Notebook organization is difficult to follow.	
Content Accuracy	all information recorded is accurate	Most information recorded is accurate	Some information is accurate, but most is not.	Information recorded is not accurate	
Required Elements	Table of contents is up-to-date, pages are numbered, no pages have been skipped, and titles are included.	Table of contents is up-to-date, mostly all pages are numbered and include a title, no skipped pages.	Table of contents is not up-to-date, missing some page numbers and/or titles, a few skipped pages.	Table of contents has not been updated, pages are not numbered/titled, several skipped pages.	
Illustrations & Diagrams	Illustrations and diagrams are clear, accurate and labeled.	Illustrations and diagrams are usually clear, accurate and labeled.	Some illustrations and diagrams are clear, accurate, and labeled, with some missing.	Illustrations and diagrams are sloppy/unclear or missing.	

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Total: ____/16 ____%

EXAMPLE NOT IN THE PACKET!





Step 3:

At the top of pages 5,6,7 write Table of Contents. Divide each page into 3 columns, date, description, page #.

	5						
	Table of Contents						
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 33%;"><u>Date</u></th> <th style="width: 33%;"><u>Description</u></th> <th style="width: 33%;"><u>Page #</u></th> </tr> </thead> <tbody> <tr> <td colspan="3" style="text-align: center;"></td> </tr> </tbody> </table>	<u>Date</u>	<u>Description</u>	<u>Page #</u>			
<u>Date</u>	<u>Description</u>	<u>Page #</u>					

	6	7						
	Table of Contents	Table of Contents						
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 33%;"><u>Date</u></th> <th style="width: 33%;"><u>Description</u></th> <th style="width: 33%;"><u>Page #</u></th> </tr> </thead> <tbody> </tbody> </table>	<u>Date</u>	<u>Description</u>	<u>Page #</u>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 33%;"><u>Date</u></th> <th style="width: 33%;"><u>Description</u></th> <th style="width: 33%;"><u>Page #</u></th> </tr> </thead> <tbody> </tbody> </table>	<u>Date</u>	<u>Description</u>	<u>Page #</u>
<u>Date</u>	<u>Description</u>	<u>Page #</u>						
<u>Date</u>	<u>Description</u>	<u>Page #</u>						



Table of Contents

Example...

DATE	DESCRIPTION	PAGE #	Grade/ Stamp
			Overlay-Blank.jpg

Table of Contents

Pg	Left Side	Pg	Right Side
		I	Class expectations
II	The Left Side	III	The Right Side
IV	INB Rubric	V	
VI		1	Safety Unit
2	Lab Safety Letter	3	Lab Safety/Symbols
4	W2 Lab Quiz	5	Lab Safety Cont.
6	ED Reflections	7	Experimental Design
8	Graphing	9	Experimental Design ^{Notes}
10	W3 Warm Up	11	W3 Warm Up
12	W3 Lab Quiz	13	Lab Scavenger Hunt
14	MSDS Scramble	15	MSDS Scramble
16	Measurement Reflection	17	Unit 2 Chemistry
18	Atom Reflection	19	Atomic Structure Notes
20	Atom Reflection	21	Atomic Structure
22	Periodic Table Reflection	23	Periodic Table Notes
24	Lab Quiz #5	25	Periodic Table
26	Quarter 2 Vocab	27	Unit 3 - Cells
28	Cell Venn Diagram	29	Plant vs. Animal Cells
30	Lab Quiz #9	31	Plant vs. Animal Cells
32	Cell Labeling Activity	33	Cell Labeling Handout
34	Osmosis + Diffusion Summary	35	Osmosis + Diffusion
36	WK 10 Lab Quiz + Cell vocab	37	Microscope Notes
38	Cell Analogy	39	Cell Scavenger Hunt
40	WK 11 Lab Quiz	41	Unit 4 - Body Systems

"STUDENTS SHOULD DATE AND NUMBER EACH PAGE"

CUT & INSERT LEFT/RIGHT

LEFT SIDE OF THE NOTEBOOK "STUDENT OUTPUT"

- USE LOTS OF COLOR
- SHOWS STUDENT THINKING
- REFLECTIVE WRITING (EXIT)
- CONCEPT MAPS
- BEGINNING OF THE LESSON (WARM UP, DONOW, KWL)
- HOMEWORK
- LAB WRITE-UPS
- DRAWINGS/DIAGRAMS
- QUESTIONS
- DATA AND GRAPHS
- CREATIVITY (SONGS, POEMS, CARTOON)

Science is knowledge, Skills, experiments, and systemize.

Use your
Sight, touch, taste, AND? smell, Hearing.
to gather Data.

Systemize means to organize

Make an inference

B-SAFE!

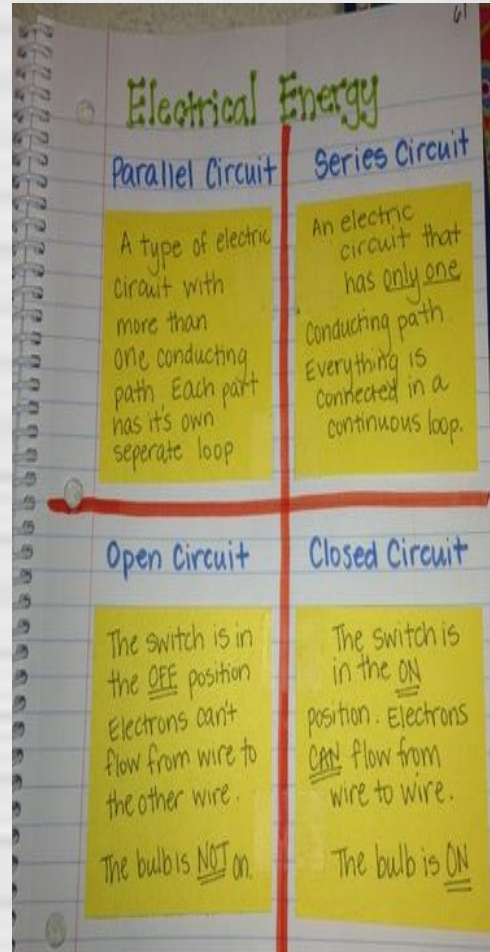
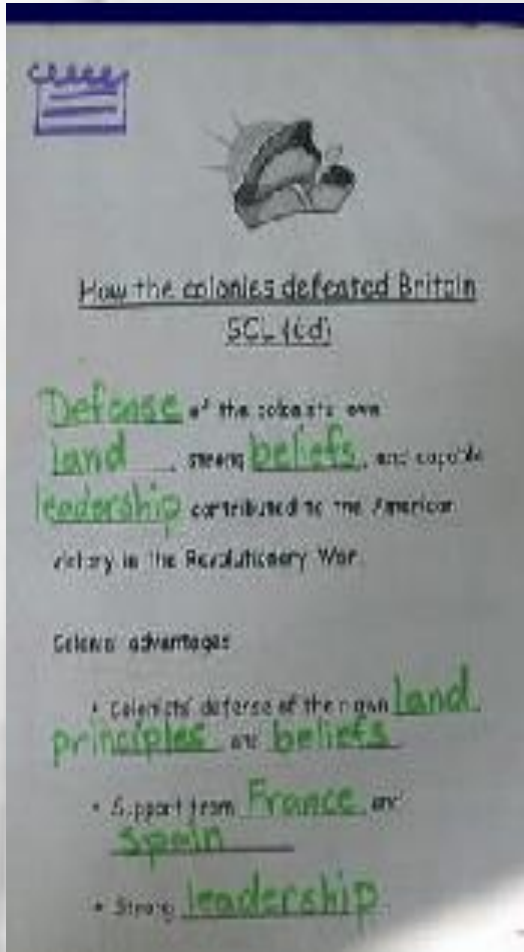
plant safety	EYE safety
FLAMES	skin protection (clothes)
Poison	Animal Safety
goggles safety	Electrical safety
SHARP Objects	HEAT safety

This is Chico. He is a cartoon dog that LOVES Science.

Planning Experiments

1. state the problem
2. Hypothesis
3. plan your experiment
4. make a prediction
5. gather and organize Data!
6. Analyze Data
7. conclude

10



RIGHT SIDE OF THE NOTEBOOK “TEACHER INPUT”

- TEACHER GUIDED NOTES (CORNELI NOTES)
- TESTED MATERIALS
- STUDY GUIDES
- VOCABULARY
- VIDEO NOTES
- TEXTBOOK NOTES
- LAB ACTIVITIES

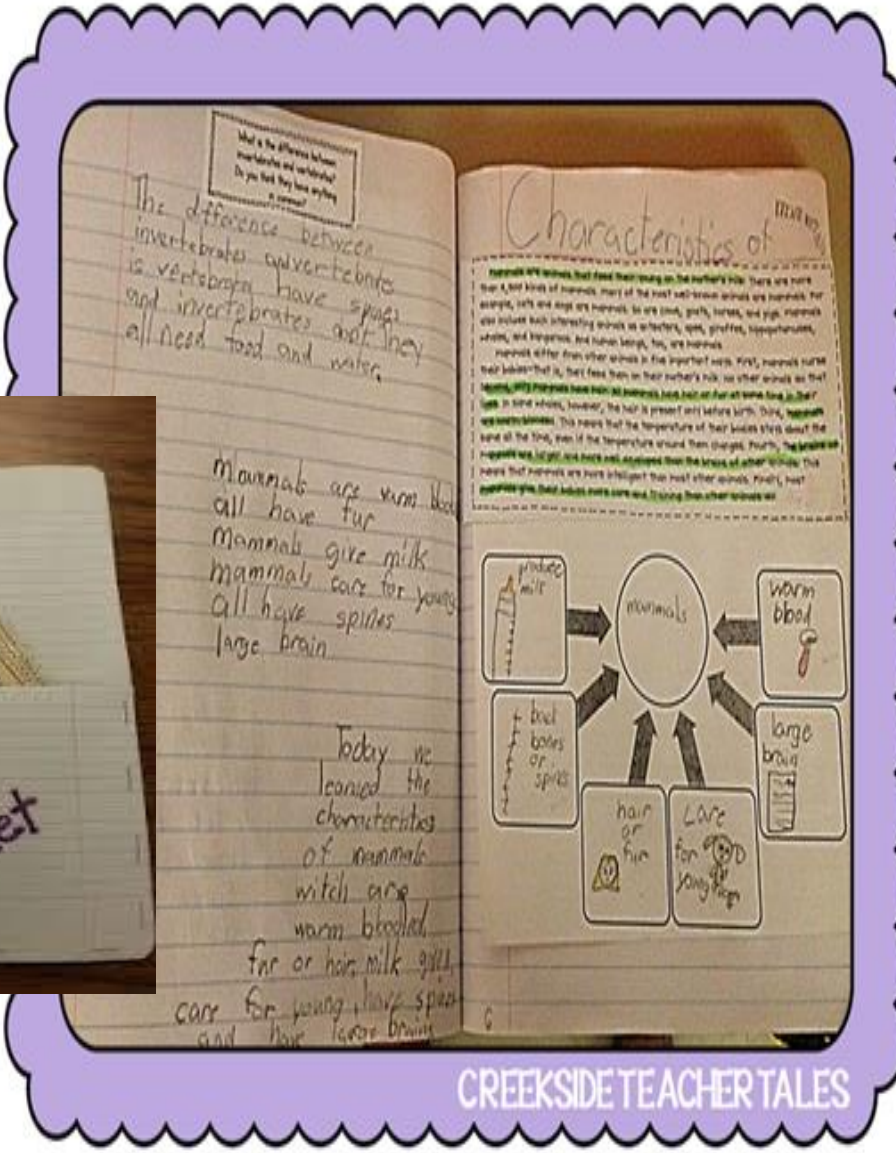
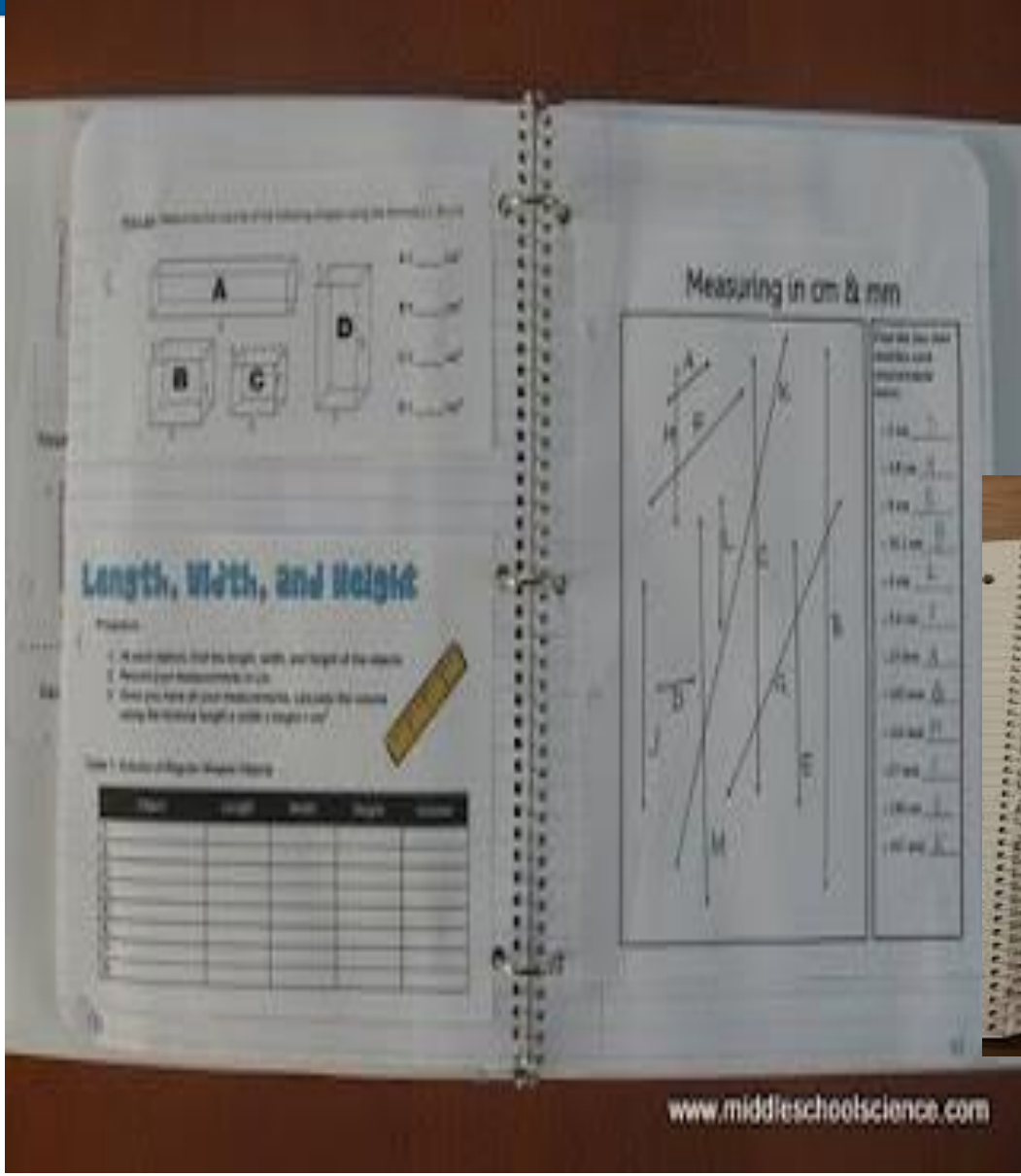
ADDITIONAL EXAMPLES

8 Left page		Right page 9
<p>Personal side You interact with the information in your unique and creative way.</p>		<p>Information side You write or glue in information from class (today's lesson).</p>
<p>1 IN activity Purpose: focus on today's activity</p>		<p>2 THROUGH activity Purpose: information from today's activity (learning)</p>
<p>Examples: pre-test, quick-write, demonstration, T-chart</p>		<p>Examples: textbook or lecture notes, vocabulary, lab procedure & data, worksheet, concept map</p>
<p>3 OUT activity Purpose: reflect or apply today's activity</p>		
<p>Examples: content or lab questions, quick-write, 3-2-1 summary, diagram, graph</p>		



WHAT DOES IT LOOK LIKE IN THE CLASSROOM?





CREEKSIDE TEACHER TALES

5 = mc²

O

Oxygen
15,999



12 Mg

Magnesium
24,305

30 Zn

Zinc
65,38



20 Ca

Calcium
40,078

11 Na

Sodium
22,98976...

1 H

Hydrogen
1,00794



16 S

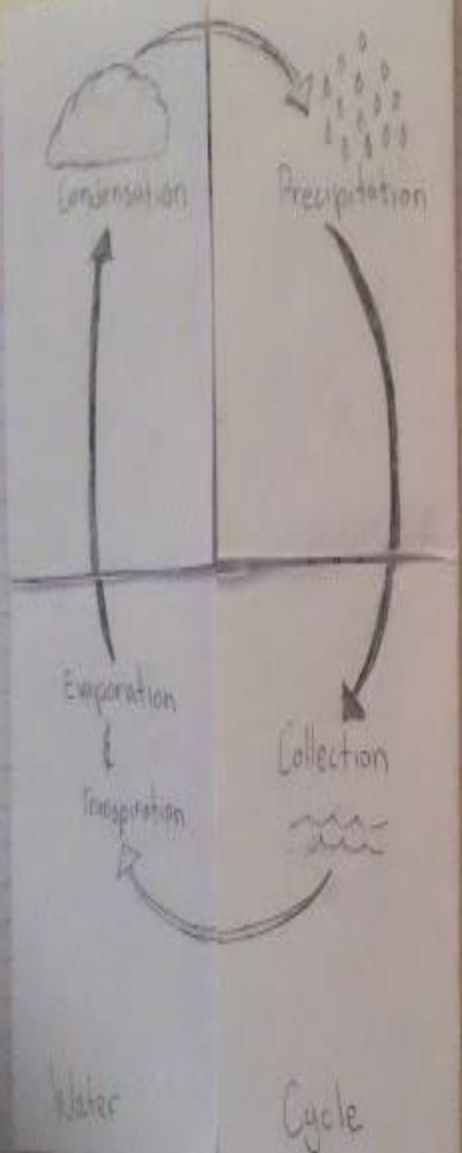
Sulfur
32,065

10 Fe

Iron
55,845



Best



The Water Cycle

many feel. Describe evidence that air contains moisture and that dew and other forms of precipitation come from moisture in the air.

The Water Cycle song

Video: Bill Nye - The Water Cycle

Vocabulary

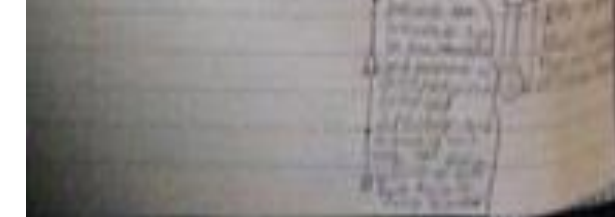
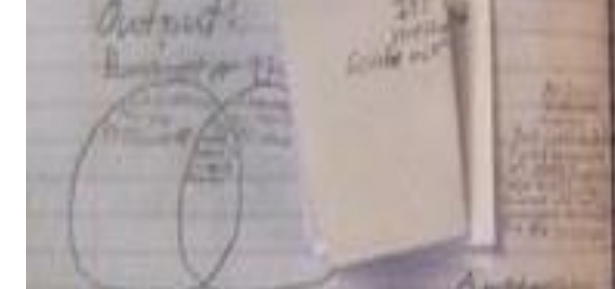
- Evaporation
- Transpiration
- Condensation
- Precipitation

How do they get there and how do they get there? How do they get there? Molecules evaporate

Evaporation: Water turns into gas
Condensation: Water vapor turns into a liquid
Transpiration

15 Weather Instruments

What I know: there are many different instruments used to measure weather and what they do for the weather.



Weather Instruments

Learning goal: describe and design a method for measuring wind speed and for finding wind direction.

	<p>Name and description</p> <p>What does it measure?</p> <p>Measures pressure</p>
<p>Hygrometer</p>	<p>Name and description</p> <p>What does it measure?</p>

<p>Name and description</p> <p>What does it measure?</p>	<p>Name and description</p> <p>What does it measure?</p>
--	--

Unit V

- ★ NEW TERRITORIES
- ★ WESTWARD MOVEMENT
- ★ NEW TECHNOLOGIES
- ★ ABOLITIONISTS
- ★ SUFFRAGE



- ★ MANIFEST DESTINY
- ★ GOLD RUSH
- ★ LAND
- ★ GOLD
- ★ HANNET TUBMAN
- ★ WILLIAM LLOYD GARRISON
- ★ FREDERICK DOUGLASS
- ★ FREEDOM
- ★ COTTON GIN
- ★ REAPER
- ★ STEAMBOAT
- ★ LOCOMOTIVE
- ★ WOMEN'S RIGHTS
- ★ SENECA FALLS
- ★ SUSAN B. ANTHONY
- ★ SUFFRAGE
- ★ TRUTH
- ★ ELIZABETH Cady STANTON

$$P = 20u$$

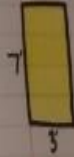
$$A = 24u^2$$

$$P = 22u \text{ or } 21u$$

WRITING IN MATH

How can shapes have the same area but different perimeters?

PERIMETER AND AREA OF RECTANGLES



$$P = 2(l + w)$$

$$P = 2(7 + 3)$$

$$P = 2(10)$$

$$P = 20$$

The perimeter is 20 feet.

$$A = lw$$

$$A = 7(3)$$

$$A = 21$$

The area is 21 ft².

$$P = 2(l + w)$$

Perimeter

$$A = lw$$

AREA

$$A = bh$$

Contractions With 've and 're

I can read and write words with endings.

ostrophe

I have

we are

we've

they are

Replace the letters **h** and **a** with an **apostrophe**

you have

you are

they have

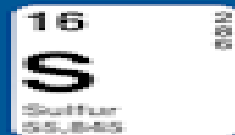
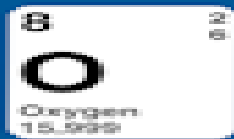
what are

Replace the letter **a** with an **apostrophe**

INTERACTIVE NOTEBOOKS ACROSS THE CURRICULUM

LETS PRACTICE!!

PAGE 10
LEFT HAND CORNER
WHAT SAFETY PROCEDURES
SHOULD YOU FOLLOW IN A
SCIENCE LAB?
(We will refer to the packet
to add examples in all
Content Areas!)



HOW HAVE YOU USED INTERACTIVE
NOTEBOOKS IN YOUR CLASSROOM?
OR
HOW DO YOU PLAN TO USE THEM?

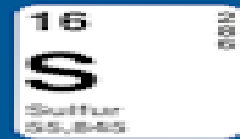


Going Digital With Interactive Notebooks!

- Create a Table of Content document in Google Doc for students.
- Each time, have students add a date and description.
- Have students obtain a link/sharable link to highlight and attach the link to the description

EXAMPLE

DATE	DESCRIPTION	GRADE
8/10/2017	Self Introductory Speech	95% A
8/16/2017	School Newsletter	79% C



INTERNET SITES TO HELP YOU WITH MY NOTEBOOK

(UPPER ELEMENTARY)

Cornell Notes/ Labs/Science Worksheets and Videos

http://intgsd.sharpschool.net/teachers_staff/science_department/mr_castroll/science_notebook/

(MIDDLE SCHOOL)

CPO SCIENCE (FREE, Charts, Slides, Sample Lessons & Videos)

<http://www.cposcience.com/home/ForEducators/MiddleSchoolPhysicalScience/tabid/268/default.aspx?MediaFileId=2999>

ELL

<file:///C:/Users/Leah%20Station/AppData/Local/Microsoft/Windows/INetCache/IE/M5IT0B63/Interactive%20Notebook%20to%20Support%20ELLS.pdf>

(TEACHERSPAYTEACHERS)

CONTENT/ UNITS

Lontarris Williams

lwilliams3@ebrschools.org

DOOR PRIZE

**#'S 7,10,
33,40**