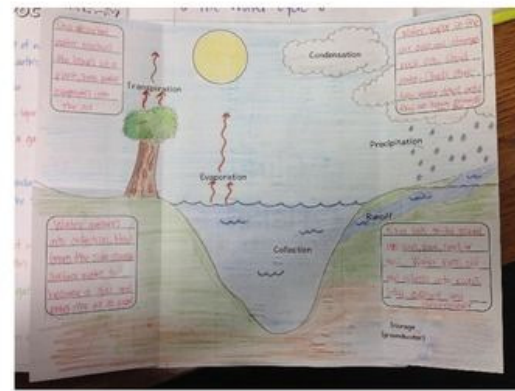
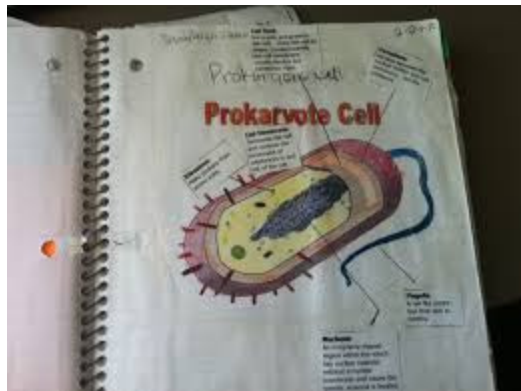


Science Interactive Notebooks

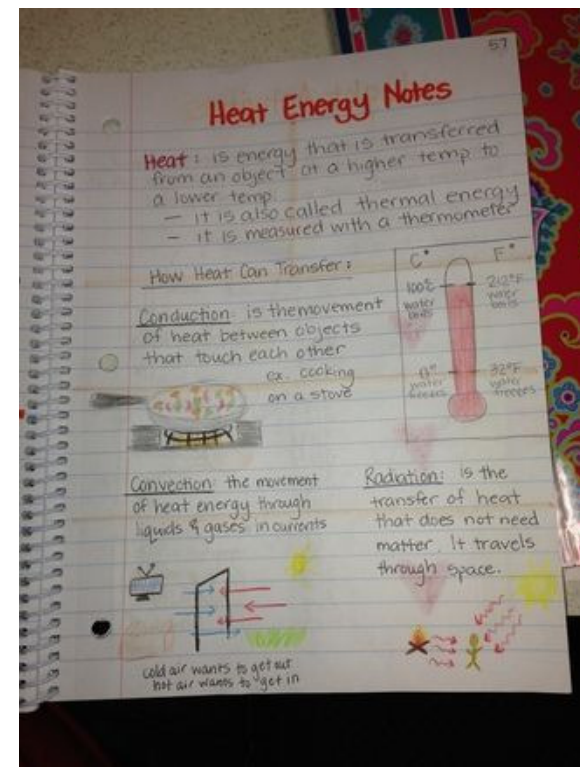


Things to Know

- Notebooks will be graded once each nine-weeks. This will be unannounced!
- These are your notebooks, so you may take them home; however, do not lose them! You also have the choice to leave them at school.
- Anytime in class you finish early, you may work on making your notebook more “awesome”!

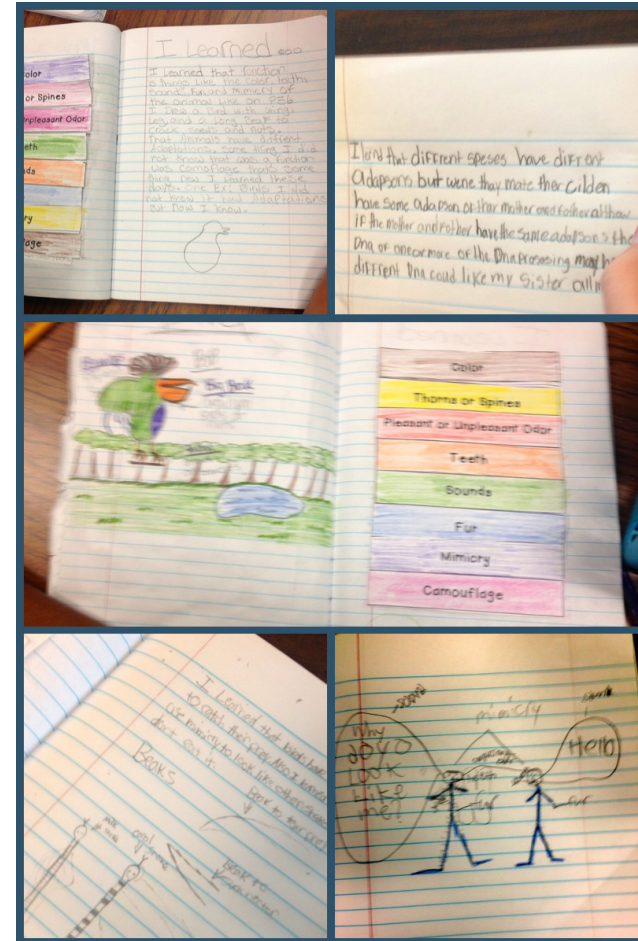
Teacher Input/Content

- information given in class
- lecture notes
- video notes
- summaries
- textbook notes
- vocabulary words
- sample problems
- foldables
- etc.



Student Output



- thinking maps
- drawings
- reflective writing
- questions
- data and graphs
- songs
- poems
- stories
- comics
- personal experience
- connections
- etc.



Science Interactive Notebook Rubric

Student: _____

Category	Awesome! (4)	Good (3)	Ok (2)	Poor (1)	Score
Neatness and 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	Written responses demonstrate an understanding of science concepts and proper vocabulary use.	Written responses demonstrate an understanding of some science concepts and proper vocabulary use.	Written responses demonstrate a limited understanding of science concepts and proper vocabulary use.	Written responses demonstrate an inaccurate understanding of science concepts and proper vocabulary use.	
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/titles, several skipped pages.	
Illustrations and Diagrams	Illustrations and diagrams are clear, accurate, and labeled.	Illustrations 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.	

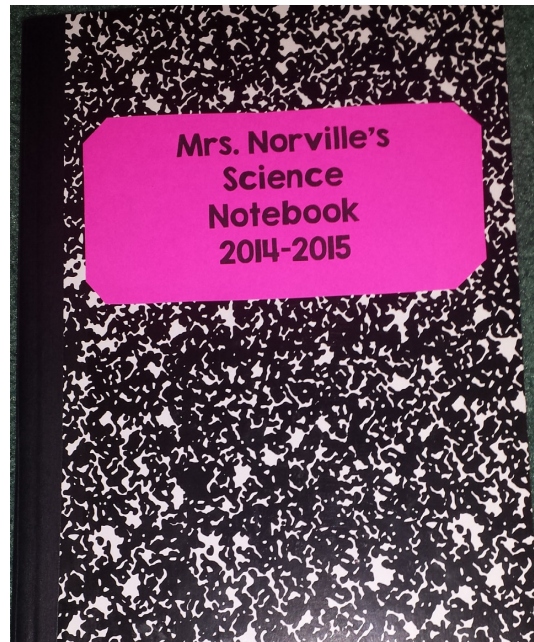


Set Up

Front of Notebook

You can decorate however you may like!
However, your name must be visible!

Examples of decorations: pictures,
stickers, construction paper, etc.





First Page

This will be your cover page! You
will get to decorate this!

Second Page (on the left)

You will glue input/output sheet to
this page.

You will also glue interactive
notebook rubric to this page.

teacher input

information given in class
lecture notes
video notes
summaries
textbook notes
vocabulary words
sample problems
foldables
etc.

student output

thinking maps
drawings
reflective writing
questions
data and graphs
songs
poems
stories
comics
personal experience connections
etc.

Science Interactive Notebook Rubric

Student: _____

Category	Awesome! (4)	Good (3)	Ok (2)	Poor (1)	Score
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Third Page (on the right)

This is your table of contents. You
will use 4 pages for this!

TITLE IT: Table of Contents

Number your pages in two columns on
each page. Number as far as you can on
those 4 pages.

teacher input

information given in class
lecture notes
video notes
summaries
textbook notes
vocabulary words
sample problems
foldables
etc.

student output

thinking maps
drawings
reflective writing
questions
data and graphs
songs
poems
stories
comics
personal experience connections
etc.

Science Interactive Notebook Rubric

Student: _____

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Table of Contents

1)	24)
2)	25)
3)	26)
4)	27)
5)	28)
6)	29)
7)	30)
8)	31)
9)	32)
10)	33)
11)	34)
12)	35)
13)	36)
14)	37)
15)	38)
16)	39)
17)	40)
18)	41)
19)	42)
20)	43)
21)	44)
22)	45)
23)	46)

47)	70)
48)	71)
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66)	89)
67)	90)
68)	91)
69)	92)

93)	(5) 116)
94)	(6) 117)
95)	(7) 118)
96)	(8) 119)
97)	(9) 120)
98)	(10) 121)
99)	(11) 122)
100)	(12) 123)
101)	(13) 124)
102)	(14) 125)
103)	(15) 126)
104)	(16) 127)
105)	(17) 128)
106)	(18) 129)
107)	(19) 130)
108)	(20) 131)
109)	(21) 132)
110)	(22) 133)
111)	(23) 134)
112)	(24) 135)
113)	(25) 136)
114)	(26) 137)
115)	(27) 138)

	139)	162)
	140)	163)
	141)	164)
	142)	165)
	143)	166)
	144)	167)
	145)	168)
	146)	169)
	147)	170)
	148)	171)
	149)	172)
§	150)	173)
	151)	174)
	152)	175)
	153)	176)
or	154)	177)
	155)	178)
	156)	179)
	157)	180)
	158)	181)
	159)	182)
III	160)	183)
	161)	184)

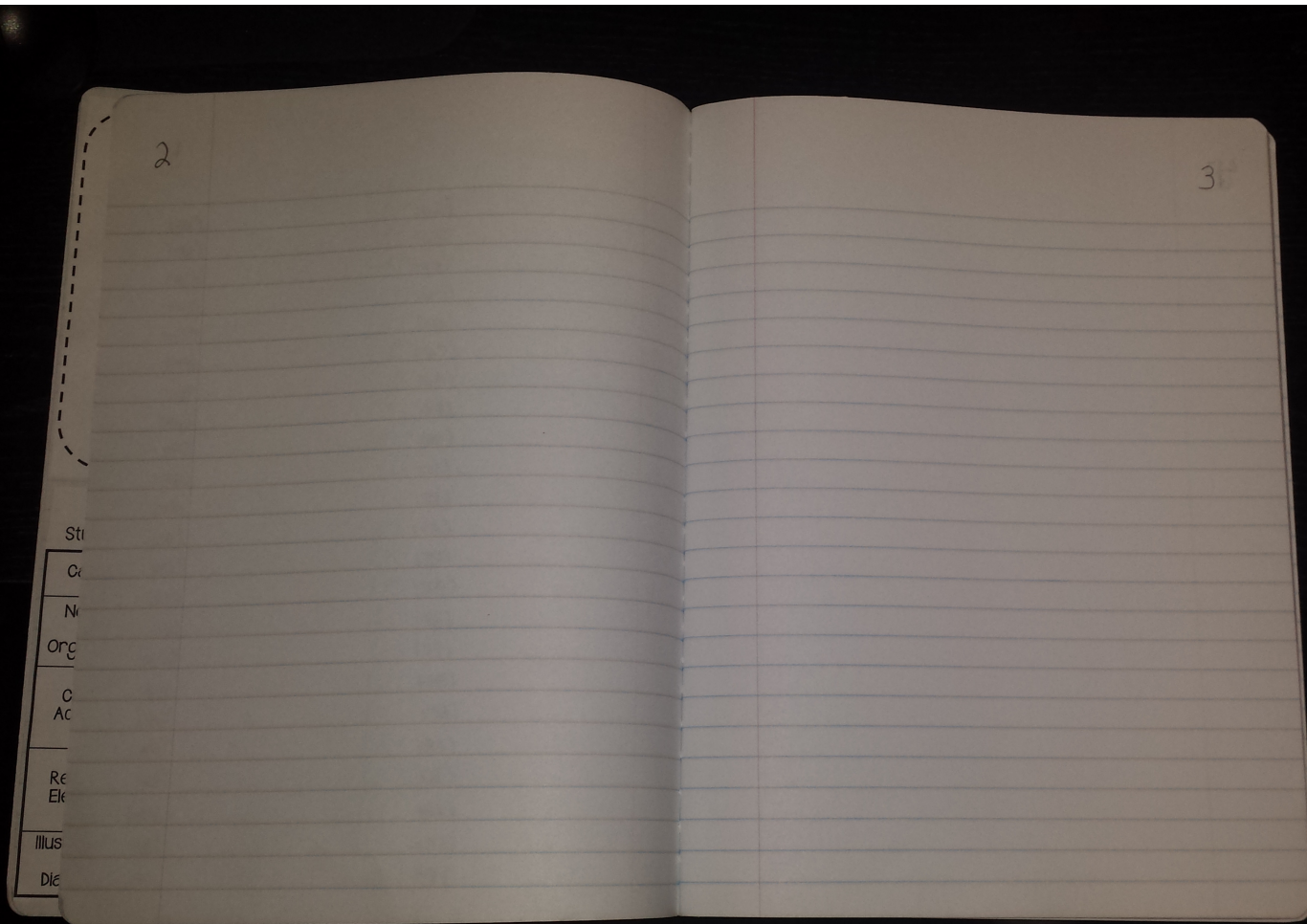
Seventh Page (on the right)

You will number every page left in your notebook. Like a book!

Start with one and go to the very end!

(odd numbers should be on the right, and even numbers on the left.)

	139)	162)
	140)	163)
	141)	164)
	142)	165)
	143)	166)
	144)	167)
	145)	168)
	146)	169)
	147)	170)
	148)	171)
	149)	172)
§	150)	173)
	151)	174)
	152)	175)
	153)	176)
or	154)	177)
	155)	178)
	156)	179)
	157)	180)
	158)	181)
	159)	182)
III	160)	183)
	161)	184)



1	2	3	4	5	6	7	8	9	10	11	12
1	2	3	4	5	6	7	8	9	10	11	12
2	4	6	8	10	12	14	16	18	20	22	24
3	6	9	12	15	18	21	24	27	30	33	36
4	8	12	16	20	24	28	32	36	40	44	48
5	10	15	20	25	30	35	40	45	50	55	60
6	12	18	24	30	36	42	48	54	60	66	72
7	14	21	28	35	42	49	56	63	70	77	84
8	16	24	32	40	48	56	64	72	80	88	96
9	18	27	36	45	54	63	72	81	90	99	108
10	20	30	40	50	60	70	80	90	100	110	120
11	22	33	44	55	66	77	88	99	110	121	132
12	24	36	48	60	72	84	96	108	120	132	144

MULTIPLICATION TABLE

1	2	3	4	5	6	7	8	9	10	11	12
1	2	3	4	5	6	7	8	9	10	11	12
2	4	6	8	10	12	14	16	18	20	22	24
3	6	9	12	15	18	21	24	27	30	33	36
4	8	12	16	20	24	28	32	36	40	44	48
5	10	15	20	25	30	35	40	45	50	55	60
6	12	18	24	30	36	42	48	54	60	66	72
7	14	21	28	35	42	49	56	63	70	77	84
8	16	24	32	40	48	56	64	72	80	88	96
9	18	27	36	45	54	63	72	81	90	99	108
10	20	30	40	50	60	70	80	90	100	110	120
11	22	33	44	55	66	77	88	99	110	121	132
12	24	36	48	60	72	84	96	108	120	132	144

Table of the C...

Table of Time Measure	
60 seconds	= 1 minute
60 minutes	= 1 hour
24 hours	= 1 day
7 days	= 1 week
30 days	= 1 calendar month
12 months	= 1 year
365 days	= 1 common year
366 days	= 1 leap year
100 years	= 1 century

Table of Length Measure	
12 inches	= 1 foot
3 feet	= 1 yard
5,280 feet	= 1 mile

Table of Capacity Measure	
2 cups	= 1 pint
2 pints	= 1 quart
4 quarts	= 1 gallon

Table of Weight Measure	
16 ounces	= 1 pound
2,000 pounds	= 1 ton

Table of Area Measure	
43,560 square feet	= 1 acre
640 acres	= 1 square mile

Table of Volume Measure	
2 cups	= 1 pint
2 pints	= 1 quart
4 quarts	= 1 gallon

Table of Temperature Measure	
32° Fahrenheit	= 0° Celsius
212° Fahrenheit	= 100° Celsius

Table of Mass Measure	
1,000 grams	= 1 kilogram
2,204.6 pounds	= 1 metric ton

Table of Time Measure	
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2,204.6 pounds	= 1 metric ton

16	drinks	= 1	hundred-
16	ounces	= 1	weight (oz)

Table of Dry Measure		Table of Liquid Measure		Table of Troy Weight	
2 pints (pt.)	= 1 quart (qt.)	4 gills (gi.)	= 1 pint (pt.)	24 grains (gr.)	= 1 pennyweight (dwt.)
8 quarts	= 1 peck (pk.)	2 pints	= 1 quart (qt.)	20 pennyweights	= 1 ounce (oz.)
4 pecks	= 1 bushel (bu.)	4 quarts	= 1 gallon (gal.)	12 ounces	= 1 pound (lb.)
1 cord	= 128 cu. ft.	31.2 gallons	= 1 barrel (bb.)		
		31.2 gallons	= 1 hogshead (hd.)		

12. **Unit of Paper Measure** 12. **Quintals**

Table of Paper Measure

24 sheets	= 1 ream
20 reams	= 1 bale

Table of Linear Measure

12 inches	= 1 foot
3 feet	= 1 yard
16-1/2 ft. (5-1/2 yds.)	= 1 rod
	= 1 furlong

Table of Circular Measure

60 seconds (")	= 1 minute
60 minutes	= 1 degree
360 degrees	= 1 circumference

A degree of the earth's surface or a meridian = 69.15 miles at the equator.

Table of Apothecaries' Measure

20 rods (5280 ft.) = 1 mile	Table of A.P.	20 grains (gr.) = 1 scruple
-----------------------------	---------------	-----------------------------

660 feet	= 1 mile	Table of Area	= 1 square
320 rods		20 grains (gr.)	= 1 dram
		3 scruples	= 1 ounce
		8 drams	= 1 pound
		12 pounces	

Miscellaneous Measures

12 units	= 1 dozen
12 disc.	= 1 gross
12 gr.	= 1 great gross
20 units	= 1 score
1 hand	= 4 inches
1 fathom	= 6 feet
1 knot	= 6086 feet
3 knot	= 1 league

Table of Surface Measures

144 sq. in.	= 1 sq. ft.
1 sq. ft.	= 1 sq. yd.

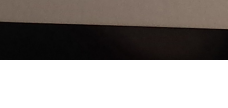
1 bu. potatoes	= 60 lbs.	9 sq ft.	= 1 sq ft.
1 barrel flour	= 196 lbs.	30 1/4 sq yds.	= 1 sq yd.

1 bu. potatoes = 60 lbs.
1 barrel flour = 195 lbs.
1 cu. ft. of water = 7.48 liquid gals.
and weighs 62.45 lbs.

Diameter of circle $\times 3.1416$ = circumference
Diameter of circle square $\times .7854$ = area
Atmospheric pressure is 14.7 lbs.
per sq. in. at sea level.
13.12 cu. ft. of air weighs 1 lb.

9 sq. ft. = 1 sq. m.
3014 sq. yds. = 1 sq. m.
160 sq. rods = 1 sq. m.
640 acres = 1 sq. m.

An acre measures 208.71 ft. on
A section of land is 1 sq. mile.
A quarter section is 160 acres.
A township is 36 sq. miles.



CONVERSION TABLE

CONVERSION TABLE	
LENGTH	
1 meter (m) = 100 cm	1,000 mm
1 millimeter (mm)	.001 m
1 centimeter (cm)	.01 m
1 decimeter (dm)	.1 m
1 decameter (dam)	10 m
1 hectometer (hm)	100 m
1 kilometer (km)	1,000 m
	1,000 m
	.001 m

CAPACITY 1 lit

CAPACITY	
1 liter (l) = 100 cl	=
1 milliliter (ml)	=
1 centiliter (cl)	=
1 deciliter (dl)	=
1 decaliter (dkl)	=
1 hectoliter (hl)	=
1 kiloliter (kl)	=

WEIGHT 1

WEIGHT		INCHES	
1 gram (g) = 100 cg	=	1.00	
1 milligram (mg)	=	1	
1 centigram (cg)	=	10	
1 decigram (dg)	=	100	
1 decagram (dkg)	=	1,000	
1 hectogram (hg)	=		
1 kilogram (kg)	=		

METERS	YARDS	
1.000	1.093	39.37
2.000	2.187	36.00

CENTIMETERS	INCHES
1.00	.394
2.54	1.000
10.00	3.937

KILOMETERS	MILES
1.000	.621
	1.000

GRAMS	OUNCES	POUNDS
	.035	

1.00	1.000	1
28.35	16.000	2
453.59	35.274	
1,000.00		

KILOGRAMS	OUNCES	POUNDS
1.000	35.274	
.028	1.000	

LITERS	PINTS	QUARTS
1.000	2.113	1.057

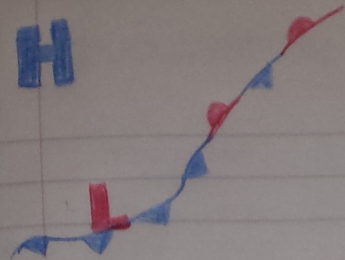
0.000	1.000	0.5
0.473	2.000	1.000
0.946	3.000	1.500
1.419	4.000	2.000
1.892	5.000	2.500
2.365	6.000	3.000
2.838	7.000	3.500
3.311	8.000	4.000
3.785	9.000	4.500
4.258	10.000	5.000

You now may decorate your
cover page! (first page)

Your Name's Science Notebook
2014-2015

- draw pictures that remind you
of science
- color!!!

H



	B	b
b	Bb	bb
b	Bb	bb

Mrs.

Norville's

Science

Notbook

2014-2015

