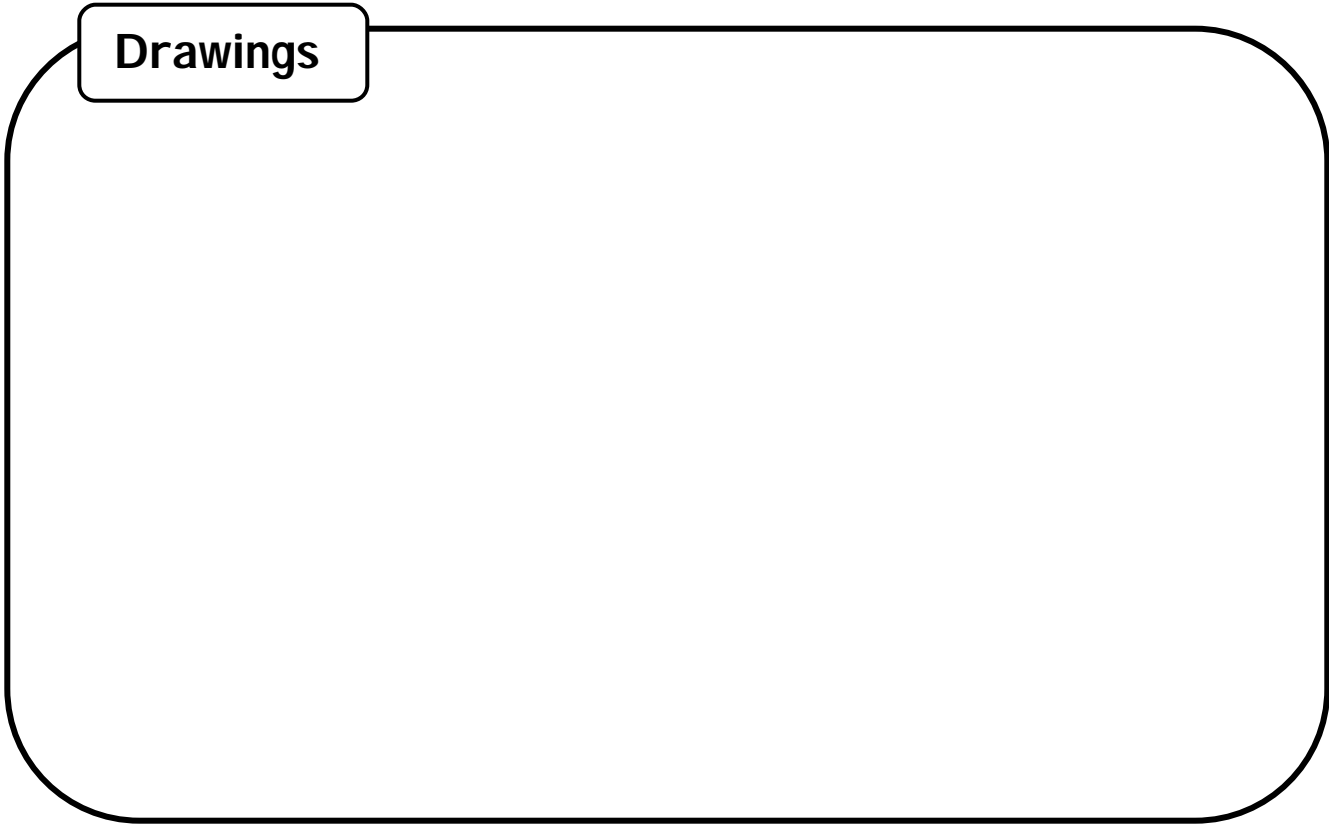


Drawings



Reading Notes

Definitions

Date _____

Experiment Name _____

What have you learned about this subject?
(observation/research)

What question are you trying to answer?
(question)

What things do you need?
(materials)

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____

What will you do to answer the question? (experiment/test)

What do you think will happen? (hypothesis/prediction)

What happened? (results)

Why do you think this happened? (conclusion)

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PHYSICS II: GIZMOS, GADGETS, GEARS, AND GRAVITY!

The following is a complete list of items that will be used for the required experiments over the entire 36-week course. This list includes many items that are common in most homes. The list does not include the items that are provided in *The Young Scientists Club* kits.

Master Supply List	
Item needed:	Week(s) used:
½ liter plastic soda bottle	16
Flashlight	27
Cardboard tube from a paper towel roll	27
Shoebox	27
Tape	27, 35
Paper towel	27
Glue	27, 32
Disposable container	27
Piece of wool (e.g. sweater or sock)	31
Size C or D batteries (3)	31
Phillips screwdriver	31
Scissors	31, 32
Pencil	34
Cereal bowl	35
Plastic bottle caps (2)	35

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PHYSICS II: GIZMOS, GADGETS, GEARS, AND GRAVITY!

Week 1				
	Day 1	Day 2	Day 3	Day 4
Usborne Science Encyclopedia		Pp. 106-107	Pp. 108-109	
Usborne Mysteries and Marvels of Science	Pp. 38-39			
Gizmos and Gadgets				Pp. 111-117 ** see note
Optional: Internet Links	Mysteries and Marvels Pg. 38	Science Encyclopedia Pg. 107	Science Encyclopedia Pg. 109	

**** NOTE – there are numerous activities in *Gizmos and Gadgets*. We highly recommend selecting and completing at least one activity per reading day. Don't forget to record the results in your lab notebook.**

Supply List: See *Gizmos and Gadgets*. These activities generally require items found around your home and can usually be easily modified to use substitute materials.

Assignments:

Day 1 – read the assigned pages and describe and/or sketch what you learned in your science notebook.

Day 2 – make a list of the different forms of energy in your science notebook. Give examples of each energy form. State the **law of conservation of energy**.

Day 3 – read the assigned pages and describe and/or sketch what you learned in your science notebook.

Day 4 – read the assigned pages and describe and/or sketch what you learned in your science notebook. Record your activity observations in your lab notebook.