

Science 7 and Science 8 for Richeson

Supplemental activities

4/3/20

1. Review the science vocabulary using the matching worksheet.
  - a. In the additional pages
  
2. Use the Writing Frames page to design and conduct a simple science experiment.
  - a. In the additional pages

Challenge yourself, you know your skill levels!

Some ideas.....

How high do different balls bounce?

How high do different tomato plants grow?

How long does it take for a video to load in different browsers?

Change something, and measure something....

Remember to use quantitative data for measurements (actual numbers).

Remember to use at least 3 trials every time you change a variable.

Make connections to scientific concepts using your background knowledge or research.

Have fun and if you need support, please email me at [tonyr@banks.k12.or.us](mailto:tonyr@banks.k12.or.us). If you would *please include your parent's email in the cc.* and remember email etiquette. Speak as you would address me in person, and please be patient for responses.

Cut out the definitions and glue them next to the vocabulary word.

1. Hypothesis

2. Constant

3. Control

4. Independant Variable

5. Dependant Variable

6. Variable

7. Multiple Trials

Definitions:

Any factor in an experiment that changes.

Any factor that is not allowed to change.

A statement of a possible relationship between the independent and dependant variables.

The factor in an experiment that is changed on purpose.

The factor in an experiment that responds to the purposely changed factor.

A group or sample that is used as a standard for comparison.

Used to reduce the effects of chance errors.

## Writing Frame – Designing Investigations

The purpose of my investigation is to \_\_\_\_\_

\_\_\_\_\_

The variable I am testing is \_\_\_\_\_

The variables that I am keeping the same are \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

I will need the following materials \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Qualitative data I will collect includes: \_\_\_\_\_

\_\_\_\_\_

Quantitative data I will collect includes: \_\_\_\_\_

\_\_\_\_\_

I will record my data in a table. I will create my data table on the back of this sheet.

My conclusion is that \_\_\_\_\_

\_\_\_\_\_

The evidence and reasoning that led me to this conclusion is \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_