

SCIENCE FAIR TOPIC HOMEWORK – 5/6 GRADE

+++Due Tuesday, Feb. 24th to your class teacher+++

Your choice of topics - Chemistry and Plants - reflects the units we will be investigating from January to April of this year (so no asking Ms. Oakley if you can make volcano!). Please read the list of larger overall topics below and think about which topics interest you most:

Chemistry	Plants
<ul style="list-style-type: none"> • pH Testing (acids and bases) • Density (sinking, floating) • Phase Changes (boiling, freezing) • Reactions (testing for substances like. Vitamin C; things that affect reaction rates) • Oxidation/rusting • Testing common household substances (such as detergents) • Solutions <p>Check out this website for more ideas: http://www.chem4kids.com/</p>	<p>Plant Growth or germination - Possible variables:</p> <ul style="list-style-type: none"> • soil (pH, fertilizer, kind of soil) • light (kind, direction, color) • water (amount, pH, other solutions) • different noises/sounds/music • temperature • kinds of seed <p>Other plant topics:</p> <ul style="list-style-type: none"> • mold or bacteria (food additives, temperature) • ripening/decay • transpiration (water loss)

1. I would like to work (check one)

Alone

With one other person and that person is _____

2. I am more interested (circle one): Chemistry Plants

Name 3 smaller subtopics from the table above (or from your own research): _____

Your next step is to narrow your search to a specific, testable question. A testable question is just what it sounds like – a question you can actually test. An example of a **testable question** is:

What is the effect of salt water on bean plant growth?

It's testable because you can set up experiments, observe what happens, and make conclusions. An example of a **non-testable question** is:

Why is the sky blue?



Name _____

Class _____

This question is not testable because we can't set up an experiment to find out why the sky is blue. We will spend time on choosing a testable question in school. Your testable question is due the week of March 8th.

3. These are some questions I have about this project:

4. Below you *may* (not required) add any words and pictures about what you are thinking about for your project

Name _____

Class _____