

## What Makes a Good Project?

Choose a Topic you are Interested in Learning More About

Is investigation worth doing or do I already know the answer?

Make sure the Topic can Be Investigated, Stay away from Yes/No Responses

Is your experiment based on Science?

Good Project Ideas	Ideas that Need Improvement
<ul style="list-style-type: none"><li>• Does the <b>flex</b> of a hockey stick affect the speed of a slap shot?</li><li>• Does the <b>type of music</b> played in a room affect the <b>growth of a plant</b>?</li></ul> <p><b>Variable we can test</b> <b>Variable we can measure</b></p>	<ul style="list-style-type: none"><li>• What Colour is Nicer? (opinion)</li><li>• Tigers (Research)</li><li>• How does a Volcano work? (Already know)</li><li>• Which kind of battery is best? (opinion)</li><li>• Does having a bath in the morning make me a better person? (Not Science)</li><li>• Creating Power from Citrus Fruit (No Experiment)</li><li>• Is Molasses harder to pour when it is colder? (Already know)</li></ul>

3 sources of Research - or Previous experiments about this topic

### Hypothesis

If

Then

Because

If I change (variable we can test) Then (how it affect the variable we can measure) Because of what we have researched that is our prior understanding.

### Experiment Design Tips

Repeatable - 3 - 5 times to get good results

Change one variable - Test one variable

Controls must be the same for all trials

### Data

Numbers are King

Take Raw data to create Graphs that explain the numbers

### Conclusions

Must answer your question

Give evidence from what you tested