

Binder (Collaboration 1)

What will you need?

- Loose leaf paper (In front)
- Binder
- 5 tabs
 - Contracts
 - Do (labs, activities, assignments needed to be completed)
 - Done (Nothing is turned in until day 5)
 - Complete (serves as a reference)
 - Keep this in order
 - Word Roots or WR

I will be checking this on day 5 of our next activity set

Teacher Table (Science and Engineering Practices)

Asking Questions

- Science - Why does a rainbow often occur after it rains?

Defining Problems

- Engineering - How can I get from one island to the other?

Teacher Table - S + E Practices

Constructing Explanations

- Science - As light hits water droplets held in clouds, white light splits into colors

Designing Solutions

- Engineering - Build a bridge or design a boat

Teacher Table - S + E Practices

Developing and making models

- Volcano (too big and dangerous)
- Molecules (too small)
- Plane (to look at individual parts)
- Flashlight with Earth, Sun and Moon (orbiting)

Teacher Table - S + E Practices

Planning and carrying out investigations

- Not just working through a lab procedure set by the teacher
- You will actually plan it out yourself and then complete it

Teacher Table - S + E Practices

Analyzing and Interpreting Data

- During an experiment or investigation you collect data
- AFTER
 - Analyze the data or look at it closely
 - Interpret the data or explain what it means

Teacher Table - S + E Practices

Using Mathematics and Computational Thinking

- Using formulas
- Calculating average
- Using metric system for measurement

Teacher Table - S + E Practices

Engaging in Argument from Evidence

- “Science isn’t what you know, it's what you can prove”
- When making an argument you must have evidence or data to support your claim

Teacher Table - S + E Practices

Obtaining, Evaluating, and Communicating Information

- Obtain - research
 - Internet
 - Journals / magazines
 - Books
- Evaluate - check the quality of the above resources
- Communicate - Scientists need to be able to share their ideas
 - Science journals
 - Presentations
 - Conversation