



Class Title: BLUE/ORANGE Chemistry Experiments

Teacher Name: Sarah Banner

Class Day: Friday

Class Size: 15

Class Cost: \$60

Ages or color group served: Blue & Orange (4th - 8th grades)

What level is this class: Level 2

Prerequisites: N/A

Graduation Requirements: N/A

Homework Requirements: Possibly some reading or lapbook activities in order to be prepared for class or if not finished in class.

I would also like each student to pick one element throughout the term to study about and share with the class on the last day.

Class Description:

In this class, students will be learning about various elements of chemistry and physics through readings, lapbooks, and of course-experiments! Students will be creating a lapbook to go with the course that they will add to week by week and we will be doing experiments every class; some will be done as a group and some will be done individually.

Week 1:

What is Chemistry? Intro to Mass and Matter. Get to know the class.

Week 2:

Density & Buoyancy including Archimedes Principle

Week 3:

Solid, Liquid, Gas...or all 3?



Week 4:

Playing more with Gases-Hot Air Balloon science!

Week 5:

All about atoms including Chemical Reactions and what the Periodic Table of Elements is (what do the numbers mean and colors) We won't be going in depth with this, but students may read at home/watch videos on anything that interests them.

Week 6:

A bit about Crystals and a bit about Polymers. Recycling

Week 7:

Mixtures & Solutions

Week 8:

PH Scale- Acids vs. Bases

Week 9:

Mixtures and Solution

Week 10:

Open week-in case anything runs a bit longer otherwise- More about Mixtures/Solutions

Week 11:

Newton and his laws

Week 12:

What is energy and working on simple circuits with a classmate. Share your info on the element you researched and what surprised you about it!