



Class Title: Blue Element Explorers

Teacher Name: Marie Jones

Class Day: 10

Class Size: Monday

Class Cost: \$30

Class Fee: \$96

Ages or color group served: Blue

What level is this class: Level 2

Prerequisites: Reads longer sentences and simple paragraphs

Can sound out unfamiliar words with growing confidence

Begins to use context to aid comprehension

Reads with some fluency but may still be slow or choppy

Kids need to know how to write

Graduation Requirements: HCU policy attendance

Homework Requirements: 30 minutes to 1 hour/weekly

Class Description:

Chemistry Explorers introduces students to the building blocks of matter through a fun and interactive journey into the Periodic Table and basic chemistry concepts. Designed for curious minds, this class combines guided lessons, note-taking practice, and weekly hands-on experiments to help students understand how elements combine to form the world around them.

Students will leave the course with a foundational knowledge of all 118 elements, scientific vocabulary, and confidence in applying chemistry concepts through observation and experimentation.

Course Objectives

By the end of the course, students will:

1. Understand what matter is and how it is made of atoms.
2. Recognize key parts of the Periodic Table and their significance.
3. Identify and define basic chemistry vocabulary.
4. Conduct safe, simple experiments to demonstrate chemical principles.
5. Develop confidence in science learning through exploration and discussion.

Week 1:

What is Chemistry?

Week 2:

Intro to the Periodic Table

Week 3:

Elements Close Up

Week 4:

The Building Blocks: Protons, Neutrons, & Electrons

Week 5:

Chemical Symbols & Formulas

Week 6:

Review Weeks 1-5 & Fun Lab

Week 7:

Review Weeks 1-5 & Fun Lab

Week 8:

States of Matter

Week 9:

Compounds vs Mixtures

Week 10:

Acids vs Bases

Week 11:

Reactions in Real Life

Week 12:

Final Showcase on Favorite Element