

COURSE OVERVIEW: DISCOVERY SCIENCE

Elementary Science Program (3rd–5th Grade) | 28-Week Hands-On Journey

| The Goal

Our primary goal is to spark curiosity and wonder about the world around us. Instead of focusing on heavy textbooks, we will learn through "doing"—using experiments, observation, and creative problem-solving to see scientific principles in action.

| The Weekly Rhythm

Class Time: This is where the learning comes to life! Every week, we dive straight into the action. We spend our time performing experiments, building physical models, and discussing our findings as a group. Our classroom is an environment where the scientific process helps students develop critical thinking skills as they work toward new discoveries.

| What We'll Be Exploring

- **1. The Invisible World:** Atoms and molecules. Students will build "Lego Molecules" to visualize how everything in the universe is constructed from tiny building blocks.
- **2. Earth & Atmosphere:** We explore weather, air pressure, and the secrets of the hydrosphere. We'll also dig into the rock cycle and the forces that shape our planet.
- **3. Motion & Physics:** Using simple machines and physics, we investigate gravity, friction, and Newton's laws through active play and construction.
- **4. Energy & Light:** We explore sound waves, the visible light spectrum, and electricity, finishing with projects that demonstrate these forces.

| What to Bring

- **Lab Supply Fee: \$7.00 (One-time fee)**
- **Materials:** The teacher provides lab supplies. Occasionally, students may be asked to bring Legos or toys from home to use as scientific props.
- **Student Requirements:**
 - A dedicated spiral notebook for "Scientific Sketching."
 - Writing Utensils: Please bring a pencil to every class.

Teacher's Note: *Science at this age should be an adventure! My role is to guide their natural curiosity and help them build a solid foundation for the more advanced science courses. I look forward to exploring creation with you!*