



Science: 1st–2nd Grade



Block 1: Intro to Matter & Chemistry

Week	Topic / Focus	Key Experiment / Lab
Week 1	What is Matter?	Mystery Matter Sorting Stations
Week 2	Solids, Liquids & Gases	Magic Balloon Inflation (temperature changes)
Week 3	Mixing & Separating	Rainbow Walking Water
Week 4	Water Can Stick!	Magic Pepper & Soap Lab
Week 5	Tiny Building Blocks	Build "Atoms" with Marshmallows & Toothpicks
Week 6	Chemical Changes	Elephant Toothpaste (Teacher Demo)
Week 7	Chemistry Review	Mystery Scientist Challenge Stations



Block 2: Water & Earth Science

Week	Topic / Focus	Key Experiment / Lab
Week 1	Water Sticks Together	Floating Paperclip Challenge
Week 2	Where Does Water Go?	Mini Water Cycle in a Bag
Week 3	How Clouds Form	Cloud in a Jar
Week 4	Can Sound Travel?	String Telephone Investigation
Week 5	Magnets Everywhere	Magnetic Treasure Hunt

Week 6	Weather Detectives	Build Weather Instruments
Week 7	Hot Water Rises	Food Coloring Convection Lab



Block 3: Weather & Motion

Week	Topic / Focus	Key Experiment / Lab
Week 1	Watching the Weather	Make a Simple Barometer
Week 2	Storms	Tornado in a Bottle
Week 3	Pushes & Pulls	Balloon Rocket Race
Week 4	Falling Things	Feather vs. Coin Drop Investigation
Week 5	Things Like to Keep Moving	Coin & Index Card Challenge
Week 6	Every Action...	Balloon Hovercraft
Week 7	Going Around in Circles	Whirling Cup of Water



Block 4: Light, Electricity & Space

Week	Topic / Focus	Key Experiment / Lab
Week 1	General Theory of Relativity	Marble Space-Time Fabric
Week 2	Static Electricity	Build an Electroscope

Week 3	Invisible Magnet Forces	Iron Filings Field Map/Magnetic Field Art
Week 4	Waves & Sound	Dancing Rice Speaker Lab
Week 5	Light & Reflection	Reflection Lab-Periscope Build Challenge
Week 6	Sun, Moon & Stars	Sunspot Viewer / Constellation Project
Week 7	STEM Showcase	Escape Room & Engineering Challenge
