

Grades 1 – 3 Grades 4 – 5

Hands-on Science

Nurture curiosity and STEAM mind

Fun and real science experiences stimulate your child's curiosity while teaching scientific methodologies.

A wide variety of subjects, including biology, chemistry, environmental science, and physics.

Fully hands-on projects are the best way to experiment in real science. Make, feel, watch, hear, and smell the science happening!

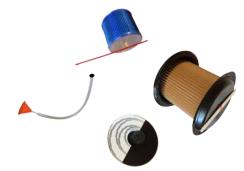
Multimodal instruction ensures your child reads, makes, observes, talks, writes, and actively engages with the projects.

Grades 1-3 and grades 4-5 have a set of projects optimized for the groups.

Let's get the edge with STEAM Dojo

It's Fun!





steamdojo.org

After this program

For grades 1 - 3, your child had many fun and exciting science experiments that stimulate curiosity and became familiar with key scientific terms and concepts.

For grades 4 – 5, your child enjoyed the hands-on science experiments and learned associated academics and scientific approaches.

Sample hands-on science projects

RISU has more projects and selects the projects optimizing the age groups, the venue, the season, and the class schedule.

Category	Project Title	1-3	4-5	Category	Project Title	1-3	4-5
Biology	Biomechanics of a hand	✓	✓	Physics	Water beads	~	✓
	Germination process and key factors	✓	✓]	Floating Compass, magnetism	✓	-
	Dominant Side of the Brain	✓	✓]	Changing the Period of a Pendulum	√	✓
	Camouflage	✓	✓]	Hovercraft, how to eliminate the friction	-	✓
	Pineapple Enzyme	-	✓]	Direction of magnetic field	✓	✓
	Reaction time	\checkmark	\checkmark]	Rubber band car	-	✓
	How Plants Absorb Water	\checkmark	-	J	The rollback can	√	✓
	Germs on Hands, better hand-wash	\checkmark	-	J	Electromagnet	-	✓
	Retinal Blind Spots	\checkmark	✓		String phone, sound is vibration	√	-
	How Animals Keep Warm	✓	-		Boomerang	-	✓
	Black and White makes color	√	✓		Breadboard circuits	√	✓
	Optical Illusion, what you see is illusion	\checkmark	✓	J	Levers and momentum	√	✓
	Bread and microorganism	\checkmark	✓	J	Lemon battery	√	✓
Chemistry	Homemade Lava Lamp	-	✓]	Refraction and density	-	✓
	Corrosiveness of Soda	~	✓]	Stethoscope	√	-
	How Rust Forms	-	✓]	Airplane	-	✓
	Make Your Own Slime	~	✓]	Catapult	✓	✓
	Fishing for Ice cubes	~	-]	Simple mortar	-	✓
	Elephant toothpaste	~	✓]	Simple telescope	√	✓
	Water ball, edible polymer	-	\checkmark]	Color of light (Spectroscope)	✓	✓
	Soap gem rock, melting point	\checkmark	✓	J	Electronic jerry fish	✓	✓
	Combusion / oxidation / explosion	-	✓	·			ļ
	Liquid cromatgraphy	\checkmark	✓				
	Oil and Water	~	✓				
	Film Canister Rocket	\checkmark	-				
Environmental Science	Finding Iron In Breakfast Cereal	\checkmark	-				
	The Movement of Air Molecules	\checkmark	✓				
	Renewable Energy From Water	~	-				
	Where Food Comes From	~	✓				
	The Hydrologic Cycle	-	✓				
	Compost Ingredients	-	✓	J			
	The Best Insulating Cup	✓	√	J			
	Types of mountains	✓	√	J			
	How earthquakes happen	✓	✓]			
	Heat Convection in liquid	-	√	J			
	Water treatment process	-	√	J			

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