

25 Kindergarten Science Fair Project Ideas 2026 – 2027

DECEMBER 2, 2025 | JOHN DEAR



Science is all around us. Young children observe, ask questions, explore new things, and experiment every single day.

Kindergarten is the perfect age to introduce students to simple science fair projects because their natural curiosity helps them learn and enjoy the process.

This article provides a clear, easy-to-understand list of **25 kindergarten science fair project ideas**, written specially for young students. Each project is explained in simple language so that any child, parent, or teacher can use it with confidence.

This guide also helps students understand what a science fair project is, why they are important, and how they can learn new things through hands-on experiments. The aim of this article is to make science fun, simple, safe, and rewarding for kindergarten learners.

Must Read: [25 Gift Project Ideas — Creative & Student-Friendly Projects](#)

Table of Contents



What Is a Science Fair Project?

A science fair project is a simple activity where students explore a question, perform an experiment, observe what happens, and share what they learned. Kindergarten projects do not need to be complicated.

Students can use common household or classroom items to test ideas such as floating, sinking, growing plants, magnets, colors, and much more.

Science fair projects help young children:

- Think creatively
- Ask questions
- Try new things
- Observe changes
- Learn problem-solving
- Build confidence

Why Are Kindergarten Science Fair Projects Important?

Science projects at this level help children build a strong foundation. They start learning how the world works and how things change. The projects listed in this article are designed to be safe, fun, and easy.

They encourage students to explore science without feeling difficult or confusing.

Some benefits include:

- Better understanding of basic science concepts
- Improved observation and communication skills
- Increased interest in learning
- More confidence during presentations
- Strong early knowledge of nature, colors, plants, water, and air

25 Kindergarten Science Fair Project Ideas 2026-2027

Below are **25 fully explained kindergarten science fair project ideas**.

Each idea includes the purpose, materials, steps, and expected results in simple language.

1. Rainbow Walking Water

Concept: Color mixing and water movement

Materials: 3 cups, water, food colors, paper towels

Steps:

1. Fill two cups with colored water (red and blue).
2. Place an empty cup between them.
3. Fold paper towels into strips and connect all cups.
4. Watch the colors travel to the empty cup.

Result: Students learn how water moves and mixes colors.

2. Which Objects Sink or Float?

Concept: Density

Materials: Bowl of water, small objects like a coin, leaf, pencil

Steps:

1. Fill a bowl with water.
2. Drop each object gently.
3. Record which ones sink and which float.

Result: Students understand that heavy objects usually sink and light ones float.

3. Growing Seeds in Cotton

Concept: Plant growth

Materials: Cotton, seeds (beans), water

Steps:

1. Place cotton in a small container.
2. Put bean seeds on top of the cotton.
3. Add water and keep it moist.
4. Observe daily growth.

Result: Students learn how seeds grow roots and shoots.

4. Magic Milk Experiment

Concept: Color movement

Materials: Milk, food color, dish soap

Steps:

1. Pour milk into a plate.
2. Add drops of food color.
3. Touch with soap on a cotton swab.

Result: Colors spread quickly due to soap breaking surface tension.

5. Balloon Air Power

Concept: Air movement

Materials: Balloon, string, tape, straw

Steps:

1. Thread string through a straw.
2. Tie ends of the string to two chairs.
3. Tape a balloon to the straw.
4. Release the balloon.

Result: Students observe how air pushes the balloon forward.

6. Ice Melting Race

Concept: Temperature and melting

Materials: Ice cubes, salt, sugar

Steps:

1. Place ice cubes in separate bowls.
2. Sprinkle salt on one and sugar on another.
3. Leave one plain.

Result: Salt melts ice faster. Students understand reactions with temperature.

7. Lemon Volcano

Concept: Chemical reaction

Materials: Lemon, **baking soda**

Steps:

1. Cut the lemon slightly.
2. Add baking soda.
3. Watch it fizz.

Result: A bubbly reaction teaches basic chemistry.

8. Magnetic and Non-Magnetic Sorting

Concept: Magnetism

Materials: Magnet, metal and non-metal objects

Steps:

1. Place all objects on a table.
2. Test each object with the magnet.
3. Sort them into two groups.

Result: Students learn which materials attract magnets.

9. Make a Rain Cloud in a Jar

Concept: Rain formation

Materials: Jar, shaving cream, food color, water

Steps:

1. Fill the jar with water.
2. Add shaving cream on top like a cloud.
3. Drop food colors on top.

Result: Colored drops fall like rain, showing how rain forms.

10. Shadow Tracing

Concept: Light and shadow

Materials: Toy, paper, sunlight

Steps:

1. Place the toy under sunlight.
2. Trace the shadow on paper.
3. Check how it changes at different times.

Result: Students learn that light creates shadows and they change direction.

11. Sink the Foil Boat

Concept: Buoyancy

Materials: Aluminum foil, coins, bowl of water

Steps:

1. Make small boats with foil.
2. Float them in water.

3. Add coins slowly.

Result: Students learn why boats float and how weight affects them.

12. Paper Towel Absorption Test

Concept: Absorption

Materials: Different paper towels, water

Steps:

1. Dip each towel in water.
2. See which absorbs more.

Result: Students compare absorbency.

13. Static Electricity Balloon

Concept: Static electricity

Materials: Balloon, tissue paper bits

Steps:

1. Rub the balloon on hair.
2. Bring it close to paper bits.

Result: Students see that static electricity attracts objects.

14. Color Changing Flowers

Concept: Water absorption in plants

Materials: White flowers, food color

Steps:

1. Place flowers in colored water.
2. Observe color changes in petals.

Result: Plants absorb water through stems.

15. Build a Simple Thermometer

Concept: Expansion of air

Materials: Bottle, straw, clay, colored water

Steps:

1. Place straw in the bottle and seal with clay.
2. Add colored water.
3. Observe water level rising in warm places.

Result: Students learn how temperature affects air.

16. Simple Pendulum

Concept: Movement

Materials: String, weight

Steps:

1. Tie the weight to the string.
2. Swing it back and forth.
3. Measure how long each swing lasts.

Result: Students learn about motion and gravity.

17. Bubble Size Test

Concept: Air pressure and bubble formation

Materials: Bubble solution, straws

Steps:

1. Blow bubbles.
2. Compare their sizes.

Result: Students learn how blowing speed affects bubble size.

18. Growing a Sweet Potato in Water

Concept: Root growth

Materials: Sweet potato, glass jar, water

Steps:

1. Put sweet potato in jar with water touching the bottom.
2. Observe roots and leaves growing.

Result: Students understand plant growth stages.

19. Sound Vibration Test

Concept: Sound waves

Materials: Bowl, plastic wrap, rice grains

Steps:

1. Cover bowl with plastic wrap.
2. Place rice grains on top.
3. Clap near it.

Result: Students see rice jump, showing how sound vibrates.

20. Tornado in a Bottle

Concept: Water movement

Materials: Bottle, water, glitter

Steps:

1. Fill bottle with water.
2. Add glitter.
3. Spin the bottle.

Result: Students observe a swirling tornado effect.

21. Sorting Leaves

Concept: Observation in nature

Materials: Leaves of different shapes

Steps:

1. Collect leaves.
2. Sort by size, shape, or color.

Result: Students learn about plant diversity.

22. Oil and Water Experiment

Concept: Density and mixing

Materials: Oil, water, food color

Steps:

1. Pour water into a glass.
2. Add food color.
3. Pour oil on top.

Result: Oil floats, showing different densities.

23. Simple Paper Airplane Test

Concept: Aerodynamics

Materials: Paper

Steps:

1. Fold paper into airplanes.
2. Fly each one.
3. Compare how far they go.

Result: Students understand how shape affects flight.

24. Freeze and Melt Test

Concept: States of matter

Materials: Ice cubes

Steps:

1. Freeze water into ice cubes.
2. Observe how long they take to melt at room temperature.

Result: Students learn about solid and liquid states.

25. Make a Mini Garden in a Cup

Concept: Plant life cycle

Materials: Soil, seeds, small cup

Steps:

1. Fill cup with soil.
2. Plant seeds.
3. Water daily.
4. Observe growth.

Result: Students learn full plant growth from seed to sprout.

Read More: [24+ Evaluation Project Ideas — Student-Friendly Projects](#)

Tips for Kindergarten Students Doing Science Fair Projects

- Always use simple materials.
- Keep experiments safe and easy.
- Observe carefully and write or draw what you see.
- Ask questions before and after doing the experiment.
- Always clean up after finishing the project.
- Take help from a parent or teacher when needed.

Conclusion

Kindergarten science fair projects are an excellent way to introduce young students to the world of science. These simple experiments help children explore colors, water, air, plants, shadows, and many everyday things around them.

The **25 kindergarten science fair project ideas** shared in this article are designed to be easy, safe, and interesting. They help students develop curiosity, learn scientific thinking, and enjoy hands-on activities.

Science is not just about finding answers. It is about asking questions, exploring freely, and discovering new things every day. With these creative and simple ideas, every child can participate confidently in a science fair and learn something meaningful.

 [Blog, Project Ideas](#)



JOHN DEAR

I am a creative professional with over 5 years of experience in coming up with project ideas. I'm great at brainstorming, doing market research, and analyzing what's possible to develop innovative and impactful projects. I also excel in collaborating with teams, managing project timelines, and ensuring that every idea turns into a successful outcome. Let's work together to make your next project a success!



[25 Christmas Gift Project Ideas — Simple, Student-Friendly Projects](#)

Best Project Ideas

Are you ready to make your big ideas happen? Let's connect and discuss how we can bring your vision to life. Together, we can create amazing results and turn your dreams into reality.

Top Pages

[Terms And Conditions](#)

[Disclaimer](#)

[Privacy Policy](#)

Follow Us

© 2024 [Best Project Ideas](#)