Science Fair Guide

Each child will have the opportunity to create a science fair project, in which the entire family can participate. We will invite the children to bring in the work they have created to share with classmates and parents for our "Science Fair". Your child's teacher will inform you of the event date.

Science Project Steps

Instruction Guide:

1. **Choose your topic:** What topic from the chosen focus would you like to learn more about?
2. **Determine your driving question:** The driving question should be stated clearly and neatly in whatever form your final presentation takes.
3. **Find resources:** Use resources such as books, interviews, videos, and web searches to find the information needed for your project.
4. **Research your topic and determine your experiment:** Research your topic of choice and generate questions you can answer through your research.
5. **Complete your experiment:** Complete a science experiment based off your topic and use it as part of your research.
6. **Write about your discoveries:** Share the information that you have learned in writing.
7. **Create a display:** From your research, create a scrapbook, presentation board, diorama, mobile, video presentation, or other creative display to show your discoveries and mastery of the subject matter.
8. **Label your project:** Label the display with your name, age, and grade level.
9. **Share at the Science Fair:** Bring your display/project to the Science Fair and share your newly acquired knowledge with friends and family.

These early experiences of diligent research practices and reporting will lay a firm foundation for the rest of their educational endeavors.

Research Topics

The following are the assigned units of study, listed by school year, that lend themselves towards hand-on projects.
These are suggestions for topics of research, but the possibilities are endless.

2023-2024	2024-2025	2025-2026
Meteorology	**Astronomy**	**Geology**
Structure of the Earth's Atmosphere	Planets	Geologic Dating Methods
The Work of Air	Sun, moon, stars	The Great Flood
Weather vs. Climate	Galaxies	The Search for Noah's Ark
Weather in the Bible	Star of Bethlehem	The Great Ice Age
Water Cycle	Comets	Glaciers
Cloud Formation	Northern Lights	Movement of Glaciers
Cloud Types	Falling Stars	The Earth's History
Precipitation	Milky Way	Layers of the Earth
The Dust Bowl	Attraction & Gravity	Ocean Zones
Air Masses and Weather Fronts	3 States of Matter	Types of Rocks
Energy from the Wind	Constellations	Artificial Islands
Wind	Nautical Star Mapping	Minerals & Gems
Thunderstorms	Black Holes	Plate Tectonics
Tornadoes	Eclipses	Mountains
Hurricanes	Phases of the Moon	Earthquakes
Tsunamis	Goldilocks Zone & Kepler 186f	Volcanos
Weather Myths	Growing Plants in Space	Caves
Weather Instruments	Astronaut Training	Geysers
Forecasting Weather	The Space Race (& Moon Race)	Weathering and Erosion
Weather Stations	Human "Computers"	Geography of the Ocean Floor
Ocean Currents	Space Telescopes	Soils
Waves and Tides	At-Home Telescopes	The Grand Canyon
Wave Erosion	Observatories and Planetariums	
Energy from the Oceans	International Space Station	