

LAES STEAM Extravaganza

Project Ideas Grades 4-6

Please feel free to choose a topic from this list or another STEAM topic that interests you. You can conduct an experiment or research and present on a STEAM topic.

PLEASE NOTE: Students may not use the following in their projects: mold, bacteria, humans (including human surveys), and vertebrates.

Ideas

Making pH indicators from plant materials
Comparisons of pH in shampoos, soils
Sugar content of foods
Water content of foods
Boiling/freezing point of liquids
Comparison of taste receptors on the tongue
Diffusion
Osmosis
Measuring surface tension
How color affects heat absorption
Solar heating devices
Comparison of insulations
Temperature variations through a house
Building a camera
Making paper
Aerodynamics
Testing soil porosity
Erosion
Weather phenomena
How birds fly
Pendulums
Static electricity
Plant growth comparisons
Plant propagation from leaves, stems, roots
Testing for nutrients
Earth science phenomena: volcanoes, earthquakes, tidal waves
Workings of electronic devices
Rocks and how they were formed
The senses: touch, taste, sight, hearing, smell
The biology of speech and sound