Enrichment Activity
Potential Science Investigation Topics
Library/Internet Research

Here are some potential topics for library or Internet research.

UNIT 1	Pendulum Magnets Electrical Charge Electrical Current	Electric Circuits Electromagnets Generators and Motors Density	Errors in Measurement Experiment Design Team Work
UNIT 2	Energy Mechanical Waves Sound Earthquakes	Motion (velocity, acceleration) Mechanical Interactions Drag Interaction	Friction Interaction Applied Interaction Elastic Interactions
UNIT 3	Force Newton's Laws Isaac Newton Friction Drag Hooke's Law	Normal Force Rolling Simple Machines Gravity Cavendish Kepler's Law	Newton's Universal Law of Gravitation Buoyancy Potential Energy The Solar System Stars Planets/Moons
UNIT 4	Conservation of Mass Conservation of Energy Efficiency Albert Einstein Antoine Lavoisier & Mikhail Lomonosov Phase changes Electromagnetic Spectrum Electromagnetic Radiation	Rainbows Color Reflection/Refraction Energy Resources Power Plants Wind Farm Hydroelectric Power Plants Geothermal Energy	Nuclear Power Nuclear Waste Global Warming Greenhouse Effect Solar Power Stars Galaxies
UNIT 5	Microscopes (Optical, Scanning Tunneling, Electron, Atomic Force) Chemical Interactions Physical Interactions	Solutions Metals Periodic Table Acids and Bases	Centrifuge Electrolysis Thermal Conductivity Electrical Conductivity
UNIT 6	Models Molecular Motion Chemical Bonds Thermodynamics Atomic Structure	Nuclear Structure John Dalton Hantaro Nagaoke Ernest Rutherford James Chadwick	Alpha Decay Beta Decay Gamma Decay Radioactive Isotopes and their Uses
UNIT 7	Chemical Bonds Carbon Corrosion Endothermic/Exothermic Reactions	Polymers Buckey Balls Nano Structures	Chemistry in Life (Fats, Carbohydrates, Protein, DNA, RNA etc.) Catalysts Enzymes