

## High School

Adaptive Curriculum is an award-winning online supplemental curriculum program that provides interactive, discovery-based, and high-quality visuals designed to enhance teaching and learning in Mathematics and Science for teachers and learners in high school.

Strand	Concept	Activity Object	Type
Physical Science	Physics	<a href="#">Flying Using Vector Addition</a>	Concept Development
		<a href="#">Balanced and Unbalanced Forces</a>	Experiment
		<a href="#">Combining Perpendicular Forces</a>	Procedure Utilization
		<a href="#">Combining Non-perpendicular Forces</a>	Procedure Utilization
		<a href="#">Relative Motion</a>	Dynamic Modeling
		<a href="#">Period of a Pendulum</a>	Concept Development
		<a href="#">Projectile Motion</a>	Concept Development
		<a href="#">Problem Solving on One Dimensional Motion with Constant Acceleration</a>	Problem Solving
		<a href="#">Problem Solving on Newton's Second Law</a>	Math in Science
		<a href="#">Metric System and Dimensional Analysis</a>	Math in Science
		<a href="#">SI Units and Dimensional Analysis</a>	Math in Science
		<a href="#">Projectiles Launched Vertically</a>	Concept Development
		<a href="#">Projectiles Launched Horizontally</a>	Concept Development
		<a href="#">The Physics of Rockets</a>	Dynamic Modeling
		<a href="#">Concept of Inertia</a>	Concept Development
		<a href="#">Analyzing Motion in a Medium</a>	Concept Development
		<a href="#">Graphs of Projectile Motion</a>	Concept Development
		<a href="#">Graphs of Accelerated Motion: Projectiles Launched Vertically</a>	Concept Development
		<a href="#">Newton's Third Law of Motion</a>	Dynamic Modeling
		<a href="#">Free Fall</a>	Experiment
<a href="#">Conservation of Mechanical Energy</a>	Concept Development		
<a href="#">Space Objects: Gravity and Motion</a>	Concept Development		
<a href="#">Space Objects Interaction Explorer</a>	Concept Development		
<a href="#">Designing an Electric Motor</a>	Concept Development		
<a href="#">Nuclear Energy: Fission</a>	Concept Development		

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Physical Science	Chemistry	<a href="#">Using Solubility to Identify Substances</a>	Concept Development
		<a href="#">The Density of Marbles</a>	Experiment
		<a href="#">Physical Properties</a>	Concept Development
		<a href="#">Concentration and Temperature Effect on Conductivity</a>	Experiment
		<a href="#">Electron Configuration</a>	Math in Science
		<a href="#">Photoelectric Effect</a>	Dynamic Modeling
		<a href="#">Calculating Atomic Mass</a>	Concept Development
		<a href="#">Polarity</a>	Concept Development
		<a href="#">Chemical Formulas and Naming Ionic Compounds</a>	Concept Development
		<a href="#">Chemical Formulas and Naming Covalent Compounds</a>	Concept Development
		<a href="#">Atomic Radius on Periodic Table</a>	Concept Development
		<a href="#">Electron Configuration and the Tendency to Gain or Lose Electrons</a>	Concept Development
		<a href="#">Electronegativity on Periodic Table</a>	Concept Development
		<a href="#">Ionization Energy on Periodic Table</a>	Concept Development
		<a href="#">Lewis Dot Structure</a>	Concept Development
		<a href="#">Electronegativity and Chemical Bonding</a>	Concept Development
		<a href="#">Crystal Lattice</a>	Concept Development
		<a href="#">Comparing Ionic and Covalent Compounds</a>	Concept Development
		<a href="#">Avogadro's Law</a>	Experiment
		<a href="#">Boyle's Law</a>	Experiment
		<a href="#">Charles' Law of Gas</a>	Experiment
		<a href="#">Partial Pressure</a>	Experiment
		<a href="#">The Ideal Gas Law</a>	Concept Development
		<a href="#">Graham's Law</a>	Concept Development
		<a href="#">Vapor Pressure</a>	Concept Development
		<a href="#">Heating Curves</a>	Experiment
		<a href="#">Separation Methods: Density Difference</a>	Concept Development
		<a href="#">Separation Methods: Distillation</a>	Concept Development
		<a href="#">Molecular Interactions and Solubility</a>	Concept Development
		<a href="#">The Concentration of Solutions: Molarity and Molality</a>	Math in Science
		<a href="#">The Concentration of Solutions: Mass Fraction and Mass Percentage</a>	Math in Science
		<a href="#">Factors Affecting the Solubility of Gases</a>	Experiment
		<a href="#">Solubility</a>	Experiment
		<a href="#">Introduction to Titration: Neutralization</a>	Experiment
		<a href="#">Precipitation Reactions</a>	Concept Development
		<a href="#">Writing and Balancing Chemical Equations</a>	Concept Development
		<a href="#">The Concept of Moles</a>	Concept Development
		<a href="#">Calculating Moles</a>	Concept Development
		<a href="#">Law of Multiple Proportions</a>	Concept Development
		<a href="#">Conservation of Mass in Chemical Reactions</a>	Experiment
<a href="#">Factors Affecting the Rate of Chemical Reactions</a>	Experiment		
<a href="#">Batteries, Chemicals, and Potential Difference</a>	Experiment		
<a href="#">Chemical Equilibrium - Le Chatelier's Principle</a>	Experiment		

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Life Science	Biology	<a href="#">The Energy Flow from Producer to Consumer</a>	Concept Development
		<a href="#">Diffusion</a>	Experiment
		<a href="#">Cell Theory and Cell Types</a>	Concept Development
		<a href="#">Comparing Plant and Animal Cells</a>	Concept Development
		<a href="#">Surface Area to Volume Ratio in Organisms</a>	Concept Development
		<a href="#">Surface Area to Volume Ratio of the Cell</a>	Concept Development
		<a href="#">Structure and Function of Cell Membrane</a>	Concept Development
		<a href="#">Osmosis</a>	Experiment
		<a href="#">Homeostasis</a>	Concept Development
		<a href="#">The Effect of Temperature on Enzyme Activity</a>	Concept Development
		<a href="#">Substrate Specificity of Enzyme</a>	Experiment
		<a href="#">Investigating Photosynthesis: The Van Helmont Experiment</a>	Concept Development
		<a href="#">Investigating Photosynthesis with Priestley and Ingenhousz</a>	Concept Development
		<a href="#">Chemosynthesis</a>	Concept Development
		<a href="#">Aerobic Respiration: What Produces Carbon Dioxide?</a>	Experiment
		<a href="#">Plants' Needs for Photosynthesis</a>	Experiment
		<a href="#">Factors Influencing Photosynthesis: Light Intensity and Amount of CO<sub>2</sub></a>	Experiment
		<a href="#">Factors Influencing Photosynthesis: Temperature</a>	Experiment
		<a href="#">Factors Influencing Photosynthesis: Color of Light</a>	Experiment
		<a href="#">From One Cell to Two: Mitosis</a>	Concept Development
		<a href="#">Making Sperm and Eggs: Meiosis</a>	Concept Development
		<a href="#">Hammerling's Experiment with Cells</a>	Experiment
		<a href="#">The Nucleus and Control of a Cell: Hammerling's Experiment with Algae</a>	Experiment
		<a href="#">Protein Synthesis</a>	Concept Development
		<a href="#">Domains and Kingdoms</a>	Concept Development
		<a href="#">Classification of Animals</a>	Concept Development
<a href="#">Hidden Heroes: Bacteria</a>	Concept Development		
<a href="#">Plant Survival: The Xeroscape Garden</a>	Concept Development		