

**EXPLORELEARNING GIZMOS CORRELATIONS ([www.explorellearning.com](http://www.explorellearning.com))**

	<b>Biology 1</b>	
<b>Topic</b>	<b>HOT Lab</b>	<b><u>Gizmo</u></b>
<b>Topic 2</b>	Study of Abiotic and Biotic Factors	<a href="#">Pond Ecosystem</a>
<b>Topic 3</b>	Limiting Factors	<a href="#">Rabbit Population by Season</a>
<b>Topic 4</b>	Designing Food Chains and Food Webs	<a href="#">Food Chain</a>
<b>Topic 5</b>	Human Impact – Effects of Acid Rain	<a href="#">Water Pollution</a>
<b>Topic 7</b>	Evidence for the Theory of Evolution	<a href="#">Evolution: Mutation and Selection</a> <a href="#">Evolution: Natural and Artificial Selection</a>
<b>Topic 8</b>	Natural Selection	<a href="#">Natural Selection</a>
<b>Topic 10</b>	Properties of Water	<a href="#">Element Builder</a>
	Exploring Flower Structure	<a href="#">Flower Pollination</a> <a href="#">Pollination: Flower to Fruit</a>
<b>Topic 11</b>	Investigating the Effect of Light Intensity on Photosynthesis	<a href="#">Photosynthesis Lab</a>
<b>Topic 12</b>	Cellular Respiration	<a href="#">Cell Energy Cycle</a>
<b>Topic 13</b>	Stimuli Effects on Heart Rate: Exercise and Baroreceptor Stimuli	<a href="#">Human Homeostasis</a>
	Stimuli Effects on Heart Rate: Sympathetic Stimuli and Coughing	<a href="#">Human Homeostasis</a>
<b>Topic 16</b>	Diffusion and Osmosis	<a href="#">Diffusion</a> <a href="#">Osmosis</a>
<b>Topic 19</b>	Cell Model Project	<a href="#">Cell Structure</a>
	Investigating Inherited Traits	<a href="#">Mouse Genetics (One Trait)</a> <a href="#">Mouse Genetics (Two Traits)</a>
	Differences in Similar Phenotypes	<a href="#">Chicken Genetics</a>
	Making Karyotypes	<a href="#">Human Karyotyping</a>
<b>Topic 21</b>	Building a DNA Model Project	<a href="#">Building DNA</a>
	DNA Extraction Lab	<a href="#">DNA Fingerprint Analysis</a>
	DNA Electrophoresis Simulation	<a href="#">DNA Fingerprint Analysis</a>
<b>Topic 22</b>	Protein Transcription and Translation	<a href="#">RNA and Protein Synthesis</a>
<b>Topic 23</b>	Identifying Organic Compounds	<a href="#">Identifying Nutrients</a>
<b>Topic 24</b>	Enzyme Catalyst Lab	<a href="#">Collision Theory</a>

	<b>Physical Science</b>	
<b>Topic</b>	<b>HOT Lab</b>	<b>Gizmo</b>
<b>Topic 1</b>	What Not To Do	<a href="#">Mystery Powder Analysis</a>
<b>Topic 1</b>	Drops on a Coin	<a href="#">Mystery Powder Analysis</a>
<b>Topic 3</b>	Speed and Velocity	<a href="#">Distance–Time Graphs</a>
<b>Topic 3</b>	Speed and Acceleration	<a href="#">Fan Cart Physics</a>
<b>Topic 4</b>	Momentum	<a href="#">Air Track</a>
<b>Topic 4</b>	Bouncing Ball Gravity Lab	<a href="#">Free–Fall Laboratory</a>
<b>Topic 4</b>	Exploring Newton’s Laws	<a href="#">Golf Range</a>
		<a href="#">Gravitational Force</a>
<b>Topic 6</b>	Kinetic and Potential Energy and Their Work	<a href="#">Pulley Lab</a>
		<a href="#">Potential Energy on Shelves</a>
<b>Topic 7</b>	Mechanical Advantage of an Inclined Plane	<a href="#">Inclined Plane – Simple Machine</a>
<b>Topic 8</b>	Static Electricity	<a href="#">Pith Ball Lab</a>
<b>Topic 11</b>	Phase Changes	<a href="#">Phase Changes</a>
<b>Topic 13</b>	Models of Atomic Structure	<a href="#">Element Builder</a>
		<a href="#">Electron Configuration</a>
		<a href="#">Ionic Bonds</a>
		<a href="#">Covalent Bonds</a>
<b>Topic 13</b>	Alien Periodic Table	<a href="#">Element Builder</a>
		<a href="#">Electron Configuration</a>
		<a href="#">Ionic Bonds</a>
		<a href="#">Covalent Bonds</a>
<b>Topic 15</b>	A Bagged Chemical Reaction	<a href="#">Limiting Reactants</a>
<b>Topic 16</b>	Factors Affecting Reaction Rates	<a href="#">Collision Theory</a>
<b>Topic 16</b>	Half-Life	<a href="#">Half–life</a>

	<b>Chemistry</b>	
<b>Topic</b>	<b>HOT Lab</b>	<b>Gizmo</b>
<b>Topic 1</b>	Cleaning Up an Oil Spill	<a href="#">Mystery Powder Analysis</a>
<b>Topic 2</b>	Density	<a href="#">Density Laboratory</a>
<b>Topic 3</b>	Isotopes	<a href="#">Nuclear Decay</a>
<b>Topic 3</b>	Flame Tests	<a href="#">Star Spectra</a>
<b>Topic 3</b>	Periodic Trends	<a href="#">Element Builder</a>
		<a href="#">Electron Configuration</a>
<b>Topic 4</b>	Models of Atomic Structure and Electrostatic Forces	<a href="#">Pith Ball Lab</a>
		<a href="#">Coulomb Force (Static)</a>
<b>Topic 6</b>	A Bagged Chemical Reaction	<a href="#">Limiting Reactants</a>
<b>Topic 7</b>	Hydrated Crystals	<a href="#">Stoichiometry</a>
<b>Topic 7</b>	A Mole Ratio	<a href="#">Chemical Equations</a>
<b>Topic 9</b>	Changes of State	<a href="#">Phase Changes</a>
<b>Topic 10</b>	Bonding: Conductivity and Solubility	<a href="#">Solubility and Temperature</a>
<b>Topic 10</b>	Precipitation Reactions Activity	<a href="#">Limiting Reactants</a>
		<a href="#">Collision Theory</a>
<b>Topic 10</b>	Solubility Curve of KCl	<a href="#">Solubility and Temperature</a>
<b>Topic 11</b>	Determining the Percentage of Acetic Acid in a Vinegar Solution	<a href="#">pH Analysis</a>
		<a href="#">pH Analysis: Quad Color Indicator</a>
<b>Topic 12</b>	Energy Content of Foods and Fuels	<a href="#">Calorimetry Lab</a>
<b>Topic 13</b>	Determining Reaction Rates	<a href="#">Limiting Reactants</a>
		<a href="#">Collision Theory</a>
<b>Topic 13</b>	Rates of Evaporation	<a href="#">Phase Changes</a>
<b>Topic 14</b>	Boyle's Law	<a href="#">Boyle's Law and Charles' Law</a>
<b>Topic 15</b>	Half-Life	<a href="#">Half-life</a>