



Virtual Labs & PhET Simulations



Virtual Labs for math and science provide a safe and interactive learning experience that re-create and expand the traditional lab experience.

Virtual Lab Locations

Title	Course Title	Unit	Assignment Title
The Fruit Lab	Biology	1	Project: Classifying Fruit
Frog Dissection: The Musculoskeletal System	Biology	10	Project: Virtual Lab - Frog Dissection Musculoskeletal
Frog Dissection: Internal Organs and Systems	Biology	10	Project: Virtual Lab - Frog Dissection Internal Organ
Biomes: The Temperate Deciduous Forest	Biology	11	Project: Virtual Lab - Biome: Deciduous Forest
Biomes: The Tundra	Biology	11	Project: Virtual Lab - Biome: Tundra
Biomes: The Rainforest	Biology	11	Project: Virtual Lab - Biome: Rainforest
Introducing: The Microscope	Biology	3	Project: Introducing the Microscope
Plant, Animal, and Algae Cells	Biology	3	Project: Plant, Animal, and Algae Cells
Osmosis	Biology	3	Project: Virtual Lab - Osmosis
Virtual Mineral Lab	Earth Science	5	Project: Identifying a Mineral
Virtual Rock Lab	Earth Science	5	Project: Identifying a Rock
Sound	Integrated Physics and Chemistry	10	Project: Virtual Lab - Sound
Light	Integrated Physics and Chemistry	10	Project: Virtual Lab - Light
Doppler Effect	Integrated Physics and Chemistry	10	Project: Virtual Lab - Doppler Effect
Conservation of Momentum	Integrated Physics and Chemistry	5	Project: Virtual lab - Conservation of Momentum
Newton's Laws	Integrated Physics and Chemistry	5	Project: Virtual Lab - Newton's Laws
Circular Motion	Integrated Physics and Chemistry	5	Project: Virtual Lab - Circular Motion
Simple Machines	Integrated Physics and Chemistry	7	Project: Virtual Lab - Simple Machines
Projectiles	Integrated Physics and Chemistry	7	Project: Virtual Lab - Projectiles
Circuits	Integrated Physics and Chemistry	9	Project: Virtual Lab - Circuits
Math Box	Mathematics 700	10	Volume of Rectangular Prisms
Newton's Laws	Physics	2	Project: Virtual Lab - Newton's Laws
Circular Motion	Physics	2	Project: Virtual Lab - Circular Motion
Conservation of Momentum	Physics	2	Project: Virtual Lab - Conservation of Momentum
Simple Machines	Physics	3	Project: Virtual Lab - Simple Machines
Projectiles	Physics	3	Project: Virtual Lab - Projectiles
Sound	Physics	4	Project: Virtual Lab - Sound
Doppler Effect	Physics	4	Project: Virtual Lab - Doppler Effect
Light	Physics	5	Project: Virtual Lab - Light
Circuits	Physics	8	Project: Virtual Lab - Circuits
Biomes: The Desert	Science 700	7	Project: Virtual Lab - Biome: Desert
Biomes: The Coniferous Forest	Science 700	7	Project: Virtual Lab - Biome: Coniferous
Biomes: The Grassland	Science 700	7	Project: Virtual Lab - Biome: Grassland



Virtual Labs & PhET Simulations



PhET for math and science provide interactive, research-based virtual simulations that enhance student learning and application.

PhET Simulation Locations

Title	Course Title	Unit	Assignment Title
John Travoltage	Science 300	9	Assignment: Experiment: Static Electricity
Friction	Science 300	9	Assignment: Experiment: Friction
Energy Skate Park: Basics	Science 400	4	Assignment: Machines: Energy
Balloons and Static Electricity	Science 400	5	Assignment: Electricity
Forces and Motion: Basics	Science 600	10	Assignment: Work and Force
Reactants, Products, and Leftovers	Science 700	2	Assignment: Chemical Reactions
Gravity Force Lab	Science 800	3	Assignment: Experiment: Gravity
Balancing Chemical Reactions	Biology	2	Assignment: Chemical Reactions
Balloons and Static Electricity	Biology	2	Assignment: Experiment: Static Electricity
John Travoltage	Biology	2	Assignment: Experiment: Static Electricity
Balancing Chemical Equations	Chemistry	3	Assignment: Demonstrating Conservation of Mass with Balanced Equations
Isotopes and Atomic Mass	Integrated Physics and Chemistry	2	Assignment: The Periodic Table
Build an Atom	Integrated Physics and Chemistry	2	Assignment: The Periodic Table
Balancing Chemical Equations	Integrated Physics and Chemistry	3	Assignment: Chemical Reactions and Conservation of Mass
Balloons and Static Electricity	Integrated Physics and Chemistry	9	Assignment: Experiment: Electrostatic Investigations
John Travoltage	Integrated Physics and Chemistry	9	Assignment: Experiment: Electrostatic Investigations
Wave on a String	Integrated Physics and Chemistry	10	Assignment: Experiment: Changing the Speed of a Wave
Bending Light	Integrated Physics and Chemistry	10	Assignment: Experiment: Law of Reflection
Balancing Act	Physics	3	Assignment: Experiment: Simple Machines
Wave on a String	Physics	4	Assignment: Experiment: Wave Speeds
Bending Light	Physics	5	Assignment: Experiment: Light Angles
Trig Tour	Trigonometry	2	Assignment: Graphing and Amplitude
Trig Tour	Trigonometry	11	Assignment: Trigonometric Functions on the Unit Circle

For more help, visit the [Knowledgebase](#) or call 877-251-6662 for Technical Support.