



ENVIRONMENTAL SCIENCE

PREFERRED GRADE

DATA COLLECTION & INTERPRETATION

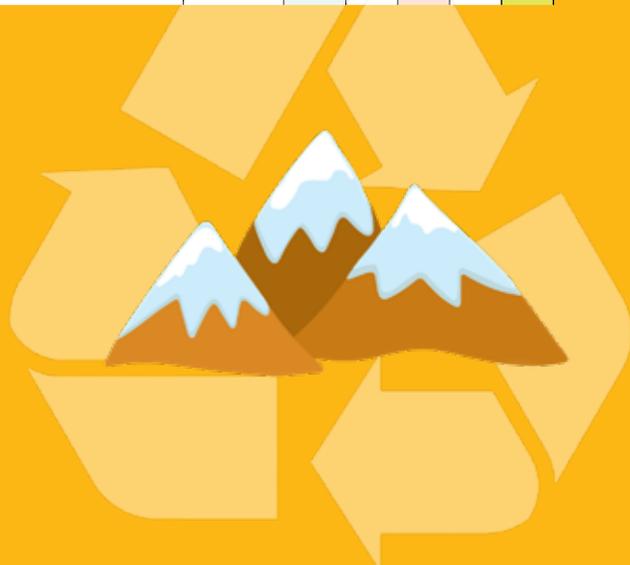
DEVELOPING MODELS

EXPERIMENTAL DESIGN

OBSERVATIONAL SKILLS

TINKER MINDSET

<p>Matchstick Wildfires</p> <p>Practice the scientific method through simulating wildfires</p>	K-5	X	X	X	
<p>Critters in Danger</p> <p>Learn about some endangered animals and what puts them at risk through hands-on activities and crafts</p>	3-5	X			X
<p>Exploring Our Rivers</p> <p>Get to know the unique aspects of the Animas River ecosystem and our affects on the River System</p>	3-5	X	X	X	X
<p>Ready Set Grow!</p> <p>Discover the parts of a plant and what plants need to grow</p>	K-2			X	
<p>Reduce, Reuse, Re-invent</p> <p>Learn about reducing, reusing and recycling — and put what you learn into practice</p>	K-5				X



FOR MORE INFORMATION:

Email education@powsci.org or call 970 259 9234 x 105



PHYSICS + ENGINEERING

PREFERRED GRADE

DATA COLLECTION & INTERPRETATION

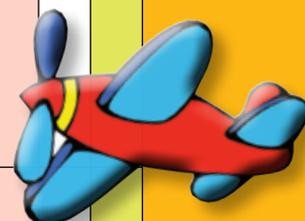
DEVELOPING MODELS

EXPERIMENTAL DESIGN

OBSERVATIONAL SKILLS

TINKER MINDSET

<p>Space — Blasting Off</p> <p>Discuss the power of gravity and practice building the most efficient rocket</p>	3-5	X		X		
<p>Space — Solar Systems</p> <p>Discover the planets in our solar system and learn about relative distance</p>	K-2	X	X			
<p>Soaring the Skies</p> <p>Determine the difference between flying and gliding while engineering various airborne structures</p>	K-5			X	X	X
<p>Building Bonanza</p> <p>Work together with a team to build structures in a series of challenges</p>	K-5			X		X
<p>Make a Machine</p> <p>Learn about simple machines and practice their uses by building chain reactions</p>	K-5		X	X	X	X
<p>Catapult Challenge</p> <p>Discover the physics behind catapults by designing and perfecting a handheld catapult</p>	K-5			X		X
<p>Wind Works</p> <p>Dive into the power of wind by creating objects that make wind do work — like a wind powered hovercraft!</p>	K-5			X		X



FOR MORE INFORMATION:

Email education@powsci.org or call 970 259 9234 x 105

THE POWERHOUSE

CHEMISTRY & THE SCIENTIFIC METHOD



PREFERRED GRADE

DATA COLLECTION & INTERPRETATION
DEVELOPING MODELS
EXPERIMENTAL DESIGN
OBSERVATIONAL SKILLS
TINKER MINDSET

Slimey States of Matter	Discover the different states of matter through creating a non-newtonian fluid — slime!	K-2	X		X	
Mystery Substances**	Work with properties of matter to determine the identity of each mystery substance!	3+	X		X	X
Wonderful Water	Explore the properties of water through a series of experiments	K-2	X			X
Cabbage Science!	Investigate pH through performing experiments on red cabbage juice	3-5	X		X	
Fascinating Food Science	Practice designing science experiments by witness chemical changes in foods you know and love	K-3	X		X	X
Mythbusters	Practice the scientific method through testing common "myths"!	K-5	X		X	

** These big-wow lessons have additional costs to cover supplies and transportation!



LITERACY COMPONENT:

ALL of our lessons include reading a book on topic together to ensure literacy growth

THE POWERHOUSE

BIOLOGY



PREFERRED GRADE

DATA COLLECTION & INTERPRETATION

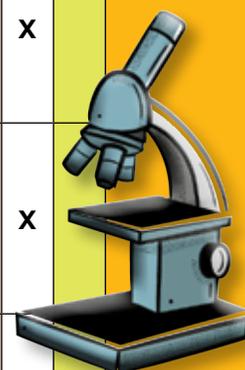
DEVELOPING MODELS

EXPERIMENTAL DESIGN

OBSERVATIONAL SKILLS

TINKER MINDSET

Diving into DNA	Learn about your DNA and what makes you unique!	K-5	X	X		
Slimy Cells	Cells are the building blocks of life – learn about their organelles and functions by building models	3-5	X			X
Spaghetti Evolution	Understand evolution by examining animal skeletons and their similarities	K-5	X		X	
Why Wolves?	Investigate healthy ecosystem structure by learning about a top predator – wolves!	3-5	X		X	
Dissection: Owl Pellets	Examine predator and prey relationships by dissecting owl pellets	K-3	X		X	
Dissection : Advanced**	Examine animal adaptations and structures by dissecting. Tool use and coordination requires a lower ratio of children to adults and additional supervision may be required.	4+	X		X	
Bug Appreciation	Practice pollinating, the backbone of our food system, and learn about some important insects along the way	K-2		X	X	
In the River	Explore concepts of classifying, starting with living & nonliving, & expanding to creating categories based on characteristics.	PreK-2	X		X	



** These big-wow lessons have additional costs to cover supplies and transportation!

THE POWERHOUSE



GEOLOGY

PREFERRED GRADE

DATA COLLECTION & INTERPRETATION

DEVELOPING MODELS

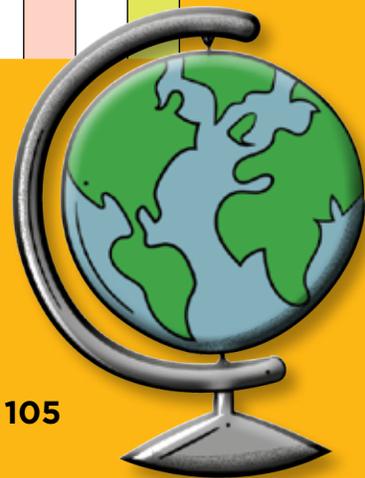
EXPERIMENTAL DESIGN

OBSERVATIONAL SKILLS

TINKER MINDSET

Rockin' the Rock Cycle	Investigate the differences between rock types and make candy magma!	K-5	X	X	X	
Plate Tectonic Time	Discover the mechanics behind earthquakes using oreo cookies	3-5+		X	X	
Volcanoes**	Use familiar chemical reactions to simulate different types of volcanic explosions!	3-5		X		X
What About The Weather?	Differentiate weather and climate and learn about how clouds form!	K-5		X	X	X
Paleontology	Roll the giant dice to decide which features your dinosaur has, then make it out of craft supplies!	K-2	X	X	X	X
Earth's Energy	Learn about different forms of renewable energy through hands-on experiments	K-5			X	X

** These big-wow lessons have additional costs to cover supplies and transportation!



FOR MORE INFORMATION:

Email education@powsci.org or call 970 259 9234 x 105

THE POWERHOUSE

ANTHROPOLOGY



			PREFERRED GRADE	DATA COLLECTION & INTERPRETATION	DEVELOPING MODELS	EXPERIMENTAL DESIGN	OBSERVATIONAL SKILLS	TINKER MINDSET
Primatology	Discuss differences and similarities between different primates	4 +	X	X		X		
Ready, Set, Excavate!**	Carefully peel back the layers in your mini dig site to put together the clues and discover the mystery of archaeology!	K-5	X			X		
Ancient Egypt	Dive into the lives of Ancient Egyptians through a series of archeological challenges	K-5	X	X		X		
Shaky Skeleton	All about bones! Examine the form and function of human skeletons	K-5		X		X	X	
What's Inside of Us?	Discover some basic human anatomy through building a series of models	3+		X		X		
Dragons	Learn about different cultures around the world by studying the dragons they came up with!	3-5	X	X	X	X		

** These big-wow lessons have additional costs to cover supplies and transportation!

LITERACY COMPONENT:

ALL of our lessons include reading a book on topic together to ensure literacy growth