

Common Core Standards connections to Interactive Science Lessons

rev. June/'17

		Grades 6-8																				
		6-8.RS.1	6-8.RS.2	6-8.RS.3	6-8.RS.4	6-8.RS.5	6-8.RS.6	6-8.RS.7	6-8.RS.8	6-8.RS.9	6-8.RS.10	6-8.WS.1	6-8.WS.2	6-8.WS.3	6-8.WS.4	6-8.WS.5	6-8.WS.6	6-8.WS.7	6-8.WS.8	6-8.WS.9	6-8.WS.10	
General Science Lessons																						
Invest.	Which Tape Is Stickiest?			x	x			x							x							
	Birthday Candle Mystery		x		x			x							x							
	Exactly How Many?			x	x			x						x	x							
	Discovering Density			x	x			x														
	Cost Of Classroom Lights			x	x			x														
	Pasta Stress Test			x	x			x							x							
	Pendulums			x	x			x							x						x	
	How Many On The Penny?			x	x			x														
	Twirlybirds	x		x	x			x														
	Happy Trails (Mix)				x			x														x
Beg.	Empirical and Non-Empirical Evidence		x		x			x			x				x						x	
	Ants Observations		x		x	x	x								x							
	Scientific Method		x		x			x			x				x						x	
	Predictions & Hypothesis	x		x	x			x	x													
	Metric Estimation			x	x																	
	New Science Classroom				x			x														
	Graphs-3 Kinds				x			x														
	Scientific Explanations		x		x			x			x				x							x
	Cycles-Never-Ending	x		x	x			x														
	Facts Versis Opinion	x			x					x					x							x
	Laws and Theories		x		x			x			x				x							x
	Potato Observation Game																					
Converting Between Units			x	x			x															
Other	Science Christmas Show																					
Life Science Lessons																						
Trad.	Fungi Fun		x		x			x							x							x
	Asexual/Sexual Reproduction				x			x														
	Dog Breeds				x								x		x		x	x	x			
	Biotic & Abiotic Factors				x										x							
	Photosynthesis				x			x														
Cells	Story Of The Cell		x					x			x											x
	Cell Cycle		x		x			x			x				x							x
	Organelles Booklet		x		x			x			x				x							x
	Organelles Spinner		x		x			x							x							x
	Meiosis Memory		x		x			x			x				x							x
	Homeostasis		x		x			x							x							x
	Size Of Cells & Atoms		x		x			x							x							x
	Molecules-4 Types		x		x			x							x							x
	Sensational Cells		x		x			x														x
Health	Viruses & Variables			x	x			x														
	Diaphragm-Relax & Breathe		x	x	x			x														
Gen.	Chromosomes, DNA, & Genes		x		x			x			x				x							x
	Diluting Your DNA		x		x			x														
	DNA Chain			x	x			x														
Adapt.	Word Adaptation		x	x	x			x							x							x
	Mission Pastable: Using Cladograms		x	x	x			x							x							
Earth & Space Science Lessons																						
Hist.	Measuring Geologic Time				x			x														
	Fossils-5 Kinds		x		x			x			x				x							x

Common Core Standards connections to Interactive Science Lessons

	Earth Clock			x	x			x											
	Mineral ID Lab			x				x											
Rocks /Min.	Mineral ID (graphic org)	x		x				x											x
	Mineral Properties	x		x				x											x
	Rock Cycle	x	x	x											x				
	Coal Mining			x															x
	What Causes Wind?	x		x				x											x
Climate /Cons.	Resources	x		x				x											x
	Elements of Weather	x		x				x											x
	Thunderstorms	x		x	x	x		x							x	x			x
	Endless Ecosystems	x		x				x											x
	Seasons-2 Reasons, 4 Seasons			x	x			x											x
	Weather Forecasting			x	x			x											x
	Interactive Notes-Conserving	x	x	x				x											x
	Biomes-Summary			x				x											
	Biomes-Precipitation Graph			x				x											
	Phys. Earth	Stream Table	x	x	x				x										
2 Kinds of Layers-Earth		x		x				x											x
Heating Rates		x	x	x				x							x	x			x
Earth's Spheres		x		x				x											x
5 Spheres Venn		x		x				x											x
Layers of Atmosphere		x		x				x											x
Layers of Air		x		x				x											x
Geology Squeeze Box		x	x	x				x											
Seabreezes		x		x				x											x
So What Is Soil Anyway?				x				x											x
Soil Characteristics		x		x				x											x
Drop of Ocean Water				x				x											
Cause of Day/Night, Seasons		x		x				x											x
Tectonics		How Mountains Form	x		x				x										
	Earth's Driven Plates	x		x				x											x
	Earthquakes-Plotting Recent	x		x				x											x
	Interactive Notes-Plate Tectonics	x	x	x				x											x
	Plate Tectonics-Scavenger Hunt																		x
Space	99.86%-Our Sun's Mass	x		x				x											x
	6 Astronomers	x		x				x											x
	Comets & Asteroids	x		x															x
	Sun/Earth/Moon Model To Scale	x		x				x											x
	Moon Phases	x		x				x											x
	Moon Phases (graphic organizer)	x		x				x											x
	Solar System Formation	x		x				x											x
	Pinto Planets	x		x				x											x
	Living Solar System			x	x			x											x
	Solar System to Scale			x				x											x
History of Orbiting Theories	x		x															x	
Physical Science Lessons																			
Atoms /Chem.	Atomic Model-Change Over Time	x		x				x	x										x
	Interactive Notes-Atoms	x	x	x				x											x
	Radioactive Samples	x	x	x				x											
	Abe's Makeover			x	x			x											
	Chemistry Surprise	x	x	x				x											x
	Radioactive Beans			x	x			x											x
	Counting Atoms			x	x			x											
	Isotopes & Ions			x				x											
	Balancing Chemical Equations			x	x														
	Periodic Pencil Classification				x			x											

Common Core Standards connections to Interactive Science Lessons

	Clay Atoms			x			x												
	Dot Diagramming		x	x			x												
	Convection Engine		x	x			x						x						
	Bag Balance		x	x			x												
	Kinetic, Potential, Mechanical Energy		x	x			x						x						x
	Energy In Toys						x												
Energy	Waves		x	x			x												
	Heat Transfer		x	x	x		x												x
	Light Bulb Dissection		x	x			x												
	Renewable Energy		x	x			x												x
	Energy Consumption						x												
	Roller Coasters			x	x		x												x
	Distant Forces		x	x	x		x												x
	Interactive Notes-Forces		x	x	x		x												x
Forces	Where's Newton?		x	x	x		x												x
	Meandering Marbles						x												
	Forces Drop Test			x	x		x												
	Newton's Laws and Rocketball			x	x		x												
	Interactive Notes-Light & Water		x	x	x		x												x
Light /Sound	Interactive Notes-Why Is The Sky Blue?		x	x	x		x												x
	Interactive Notes-Sound		x	x	x		x												x
	Simple Electric Motor			x	x		x												x
	Electricity-Watts, Wire, Worth						x												
	Electromagnets-6 Minis		x	x	x														x
Elec. /Mag.	Magnetism-Decode						x												x
	Circuit Boards			x	x		x												x
	Circuits & Electromagnets-Inquiry			x	x		x												
	Interactive Question-Asker						x												
	Interactive Notes-Magnetism		x	x	x		x												x
Other	Mixtures		x	x	x		x												
	Matter Flowchart						x												x
	Boiled Ice		x	x	x		x												x
	Dunking Duckies		x				x												x
	Great Adventure		x				x												
States Of Matter	Solids, Liquids, Gases-Build, See		x																
	Candlelight Journey						x												x
	Energetic Atoms			x	x		x												x
	States of Matter Venn		x				x												x
	Interactive Notes-States of Matter		x	x	x		x												x

Common Core Standards connections to Interactive Science Lessons

		Grades 9-10															
		RST.9-10.1	RST.9-10.2	RST.9-10.3	RST.9-10.4	RST.9-10.5	RST.9-10.6	RST.9-10.7	RST.9-10.8	RST.9-10.9	RST.9-10.10						
General Science Lessons																	
Invest.	Which Tape Is Stickiest?			x	x			x									
	Birthday Candle Mystery		x		x			x									
	Exactly How Many?			x	x			x									
	Discovering Density			x	x			x									
	Cost Of Classroom Lights			x	x			x									
	Pasta Stress Test			x	x			x									
	Pendulums			x	x			x									
	How Many On The Penny?			x	x			x									
	Twirlybirds	x		x	x			x									
	Happy Trails (Mix)				x			x									
Beg.	Empirical and Non-Empirical Evidence		x		x			x					x				
	Ants Observations		x			x	x										
	Scientific Method		x		x			x					x				
	Predictions & Hypothesis	x		x	x			x	x								
	Metric Estimation			x	x			x									
	New Science Classroom				x			x									
	Graphs-3 Kinds				x			x									
	Cycles-Never-Ending	x		x	x			x									
	Scientific Explanations		x		x			x						x			
	Laws and Theories		x		x			x						x			
	Facts Versis Opinion	x			x					x							
	Potato Observation Game																
Converting Between Units			x	x			x										
Other	Science Christmas Show																
Life Science Lessons																	
Trad.	Fungi Fun		x		x			x									
	Asexual/Sexual Reproduction				x			x									
	Dog Breeds				x												
	Biotic & Abiotic Factors				x												
	Photosynthesis				x			x									
Cells	Story Of The Cell		x			x		x					x				
	Cell Cycle		x		x			x					x				
	Organelles Booklet		x		x			x									
	Organelles Spinner		x		x			x									
	Meiosis Memory		x		x			x					x				
	Homeostasis		x		x			x									
	Size Of Cells & Atoms		x		x			x									
	Molecules-4 Types		x		x			x									
	Sensational Cells		x		x			x									
Health	Viruses & Variables			x	x			x									
	Diaphragm-Relax & Breathe		x	x	x			x									
Gen.	Chromosomes, DNA, & Genes		x		x			x					x				
	Diluting Your DNA		x		x			x									
	DNA Chain			x	x			x									
Adapt.	Word Adaptation		x	x	x			x									
	Mission Pastable: Using Cladograms		x	x	x			x									
Earth & Space Science Lessons																	
Hist.	Measuring Geologic Time				x			x									
	Fossils-5 Kinds		x		x			x					x				

Common Core Standards connections to Interactive Science Lessons

	Earth Clock			x	x			x											
	Mineral ID Lab			x				x											
Rocks /Min.	Mineral ID (graphic org)		x		x			x					x						
	Mineral Properties		x		x			x					x						
	Rock Cycle		x	x	x														
	Coal Mining				x														
Climate /Cons.	What Causes Wind?		x		x			x					x						
	Resources		x		x			x					x						
	Elements of Weather		x		x			x					x						
	Thunderstorms		x		x	x	x	x					x						
	Endless Ecosystems		x		x			x					x						
	Seasons-2 Reasons, 4 Seasons				x	x		x											
	Weather Forecasting				x	x		x											
	Interactive Notes-Conserving		x	x	x			x						x					
	Biomes-Summary				x			x											
	Biomes-Precipitation Graph				x			x											
Phys. Earth	Stream Table		x	x	x			x											
	2 Kinds of Layers-Earth		x		x			x					x						
	Heating Rates		x	x	x			x											
	Earth's Spheres		x		x			x					x						
	5 Spheres Venn		x		x			x											
	Layers of Atmosphere		x		x			x					x						
	Layers of Air		x		x			x											
	Geology Squeeze Box		x	x	x			x											
	Seabreezes		x		x			x						x					
	So What Is Soil Anyway?				x			x											
	Soil Characteristics		x		x			x											
	Drop of Ocean Water				x			x											
	Cause of Day/Night, Seasons		x		x			x						x					
Tectonics	How Mountains Form		x		x	x		x					x						
	Earth's Driven Plates		x		x			x											
	Earthquakes-Plotting Recent		x		x			x											
	Interactive Notes-Plate Tectonics		x	x	x			x						x					
	Plate Tectonics-Scavenger Hunt													x					
Space	99.86%-Our Sun's Mass		x		x			x											
	6 Astronomers		x		x			x					x						
	Comets & Asteroids		x		x														
	Sun/Earth/Moon Model To Scale		x		x			x											
	Moon Phases		x		x			x											
	Moon Phases (graphic organizer)		x		x			x						x					
	Solar System Formation		x		x			x											
	Pinto Planets		x		x			x											
	Living Solar System				x	x		x											
	Solar System to Scale				x			x											
History of Orbiting Theories		x		x															
Physical Science Lessons																			
Atoms /Chem.	Atomic Model-Change Over Time		x		x			x					x						
	Interactive Notes-Atoms		x	x	x			x					x						
	Radioactive Samples		x	x	x			x											
	Abe's Makeover				x	x		x											
	Chemistry Surprise		x	x	x			x											
	Radioactive Beans				x	x		x											
	Counting Atoms				x	x		x											
	Isotopes & Ions				x			x											
	Balancing Chemical Equations				x	x													
	Periodic Pencil Classification					x		x											

Common Core Standards connections to Interactive Science Lessons

	Clay Atoms			x			x													
	Dot Diagramming		x	x			x													
	Convection Engine		x	x			x													
	Bag Balance		x	x			x													
	Kinetic, Potential, Mechanical Energy		x	x			x						x							
	Energy In Toys						x													
	Waves		x	x			x													
	Heat Transfer		x	x	x		x													
	Light Bulb Dissection		x	x			x						x							
	Renewable Energy		x	x			x						x							
	Energy Consumption						x													
	Roller Coasters		x	x	x		x													
	Distant Forces		x	x	x		x													
	Interactive Notes-Forces		x	x	x		x						x							
	Where's Newton?		x	x	x		x													
	Meandering Marbles						x													
	Forces Drop Test						x	x												
	Newton's Laws and Rocketball						x	x												
	Interactive Notes-Light & Water		x	x	x		x						x							
	Interactive Notes-Why Is The Sky Blue?		x	x	x		x						x							
	Interactive Notes-Sound		x	x	x		x						x							
	Simple Electric Motor						x	x												
	Electricity-Watts, Wire, Worth												x							
	Electromagnets-6 Minis		x	x	x															
	Magnetism-Decode																			
	Circuit Boards						x	x												
	Circuits & Electromagnets-Inquiry						x	x												
	Interactive Question-Asker																			
	Interactive Notes-Magnetism		x	x	x		x													
	Mixtures		x	x	x		x													
	Matter Flowchart																			
	Boiled Ice		x				x													
	Dunking Duckies		x				x													
	Great Adventure		x				x													
	Solids, Liquids, Gases-Build, See		x				x													
	Candlelight Journey																			
	Energetic Atoms						x	x												
	States of Matter Venn		x				x													
	Interactive Notes-States of Matter		x	x	x		x													