THAMES & KOSMOS

Date Added	Item Number	Kit Name	NGSS Performance Expectation Code	NGSS Performance Expectation Name	Explanation
8/20/2018	555001	Air+Water Power	2-PS1-3	Structure and Properties of Matter	Make observations to construct an evidence-based account of how an object made of a small set of pieces can be disassembled and made into a new object
8/20/2018	555001	Air+Water Power	K-2-ETS1-1	K-2.Engineering Design	Ask questions, make observations, and gather information about a situation people want to change to define a simple problem that can be solved through the development of a new or improved object or tool
8/20/2018	555001	Air+Water Power	K-2-ETS1-3	K-2.Engineering Design	Analyze data from tests of two objects designed to solve the same problem to compare the strengths and weaknesses of how each performs
8/20/2018	555001	Air+Water Power	4-PS3-1	Energy	Use evidence to construct an explanation relating the speed of an object to the energy of that object
8/20/2018	555001	Air+Water Power	4-PS3-4	Energy	Apply scientific ideas to design, test, and refine a device that converts energy from one form to another.
8/20/2018	555001	Air+Water Power	K-2-ETS1-2	K-2.Engineering Design	Develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem
8/20/2018	567007	Aircraft Engineer	K-PS2-1	Forces and Interactions: Pushes and Pulls	Plan and conduct an investigation to compare the effects of different strengths or different directions of pushes and pulls on the motion of an object

8/20/2018	567007	Aircraft Engineer	K-PS2-2	Forces and Interactions: Pushes and Pulls	Analyze data to determine if a design solution works as intended to change the speed or direction of an object with a push or a pull.*
8/20/2018	555062	Alien Robots	2-PS1-3	Structure and Properties of Matter	Make observations to construct an evidence-based account of how an object made of a small set of pieces can be disassembled and made into a new object
8/20/2018	555062	Alien Robots	3-PS2-2	Forces and Interactions	Make observations and/or measurements of an object's motion to provide evidence that a pattern can be used to predict future motion
8/20/2018	555062	Alien Robots	4-PS3-1	Energy	Use evidence to construct an explanation relating the speed of an object to the energy of that object
8/20/2018	555062	Alien Robots	4-PS3-4	Energy	Apply scientific ideas to design, test, and refine a device that converts energy from one form to another.
8/20/2018	555062	Alien Robots	3-5-ETS1-3	Engineering Design	Plan and carry out fair tests in which variables are controlled and failure points are considered to identify aspects of a model or prototype that can be improved.
8/20/2018	551005	Amazing Gyroscope	3-PS2-1	Forces and Interactions	Plan and conduct an investigation to provide evidence of the effects of balanced and unbalanced forces on the motion of an object
8/20/2018	551005	Amazing Gyroscope	3-PS2-2	Forces and Interactions	Make observations and/or measurements of an object's motion to provide evidence that a pattern can be used to predict future motion
8/20/2018	567008	Amusement Park Engineer	K-PS2-1	Forces and Interactions: Pushes and Pulls	Plan and conduct an investigation to compare the effects of different strengths or different directions of pushes and pulls on the motion of an object

8/20/2018	665001	Archaeology: Pyramid Dig (V 2.0)	K-2-ETS1-2	K-2.Engineering Design	Develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem
8/20/2018	567006	Automobile Engineer	K-PS2-1	Forces and Interactions: Pushes and Pulls	Plan and conduct an investigation to compare the effects of different strengths or different directions of pushes and pulls on the motion of an object
8/20/2018	549010	Barbie Crystal Geology	2-PS1-1	Structure and Properties of Matter	Plan and conduct an investigation to describe and classify different kinds of materials by their observable properties.
8/20/2018	549010	Barbie Crystal Geology	2-PS1-2	Structure and Properties of Matter	Analyze data obtained from testing different materials to determine which materials have the properties that are best suited for an intended purpose.*
8/20/2018	549010	Barbie Crystal Geology	2-ESS1-1	Earth's Systems: Processes that Shape the Earth	Use information from several sources to provide evidence that Earth events can occur quickly or slowly
8/20/2018	549012	Barbie Fundamental Chemistry Set	2-PS1-4	Structure and Properties of Matter	Construct an argument with evidence that some changes caused by heating or cooling can be reversed and some cannot
8/20/2018	549015	Barbie Plant Science Kit	K-LS1-1	Interdependent Relationships in Ecosystems: Animals, Plants, and Their Environment	Use observations to describe patterns of what plants and animals (including humans) need to survive.
8/20/2018	549015	Barbie Plant Science Kit	K-ESS3-1	Interdependent Relationships in Ecosystems: Animals, Plants, and Their Environment	Use a model to represent the relationship between the needs of different plants or animals (including humans) and the places they live
8/20/2018	549015	Barbie Plant Science Kit	K-PS3-2	Weather and Climate	Use tools and materials to design and build a structure that will reduce the warming effect of sunlight on an area

8/20/2018	549015	Barbie Plant Science Kit	2-LS2-1	Interdependent Relationships in Ecosystems	Plan and conduct an investigation to determine if plants need sunlight and water to grow
8/20/2018	549015	Barbie Plant Science Kit	3-LS4-3	Interdependent Relationships in Ecosystems	Construct an argument with evidence that in a particular habitat some organisms can survive well, some survive less well, and some cannot survive at all
8/20/2018	549015	Barbie Plant Science Kit	3-LS1-1	Inheritance and Variation of Traits: Life Cycles and Traits	Develop models to describe that organisms have unique and diverse life cycles but all have in common birth, growth, reproduction, and death
8/20/2018	549003	Barbie STEM Kit (with Barbie Scientist Doll)	2-PS1-3	Structure and Properties of Matter	Make observations to construct an evidence-based account of how an object made of a small set of pieces can be disassembled and made into a new object
8/20/2018	549003	Barbie STEM Kit (with Barbie Scientist Doll)	K-2-ETS1-1	K-2.Engineering Design	Ask questions, make observations, and gather information about a situation people want to change to define a simple problem that can be solved through the development of a new or improved object or tool
8/20/2018	549003	Barbie STEM Kit (with Barbie Scientist Doll)	K-2-ETS1-2	K-2.Engineering Design	Develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem
8/20/2018	549003	Barbie STEM Kit (with Barbie Scientist Doll)	K-2-ETS1-3	K-2.Engineering Design	Analyze data from tests of two objects designed to solve the same problem to compare the strengths and weaknesses of how each performs
8/20/2018	549004	Barbie STEM Kit (with Nikki Scientist Doll)	2-PS1-3	Structure and Properties of Matter	Make observations to construct an evidence-based account of how an object made of a small set of pieces can be disassembled and made into a new object

8/20/2018	549004	Barbie STEM Kit (with Nikki Scientist Doll)	K-2-ETS1-1	K-2.Engineering Design	Ask questions, make observations, and gather information about a situation people want to change to define a simple problem that can be solved through the development of a new or improved object or tool
8/20/2018	549004	Barbie STEM Kit (with Nikki Scientist Doll)	K-2-ETS1-2	K-2.Engineering Design	Develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem
8/20/2018	549004	Barbie STEM Kit (with Nikki Scientist Doll)	K-2-ETS1-3	K-2.Engineering Design	Analyze data from tests of two objects designed to solve the same problem to compare the strengths and weaknesses of how each performs
8/20/2018	634032	Big & Fun Microscope	K-LS1-1	Interdependent Relationships in Ecosystems: Animals, Plants, and Their Environment	Use observations to describe patterns of what plants and animals (including humans) need to survive.
8/20/2018	634032	Big & Fun Microscope	K-ESS2-2	Interdependent Relationships in Ecosystems: Animals, Plants, and Their Environment	Construct an argument supported by evidence for how plants and animals (including humans) can change the environment to meet their needs.
8/20/2018	634032	Big & Fun Microscope	K-ESS3-1	Interdependent Relationships in Ecosystems: Animals, Plants, and Their Environment	Use a model to represent the relationship between the needs of different plants or animals (including humans) and the places they live
8/20/2018	567011	Boat Engineer	K-PS2-1	Forces and Interactions: Pushes and Pulls	Plan and conduct an investigation to compare the effects of different strengths or different directions of pushes and pulls on the motion of an object

8/20/2018	567004	Botany - Experimental Greenhouse	K-LS1-1	Interdependent Relationships in Ecosystems: Animals, Plants, and Their Environment	Use observations to describe patterns of what plants and animals (including humans) need to survive.
8/20/2018	567004	Botany - Experimental Greenhouse	K-ESS2-2	Interdependent Relationships in Ecosystems: Animals, Plants, and Their Environment	Construct an argument supported by evidence for how plants and animals (including humans) can change the environment to meet their needs.
8/20/2018	567004	Botany - Experimental Greenhouse	K-ESS3-1	Interdependent Relationships in Ecosystems: Animals, Plants, and Their Environment	Use a model to represent the relationship between the needs of different plants or animals (including humans) and the places they live
8/20/2018	567004	Botany - Experimental Greenhouse	2-LS2-1	Interdependent Relationships in Ecosystems	Plan and conduct an investigation to determine if plants need sunlight and water to grow.
8/20/2018	567004	Botany - Experimental Greenhouse	2-LS2-2	Interdependent Relationships in Ecosystems	Develop a simple model that mimics the function of an animal in dispersing seeds or pollinating plants
8/20/2018	665003	Candy Chemistry	2-PS1-2	Structure and Properties of Matter	Analyze data obtained from testing different materials to determine which materials have the properties that are best suited for an intended purpose.*
8/20/2018	665003	Candy Chemistry	2-PS1-4.	Structure and Properties of Matter	Construct an argument with evidence that some changes caused by heating or cooling can be reversed and some cannot
8/20/2018	665003	Candy Chemistry	5-PS1-2	Structure and Properties of Matter	Measure and graph quantities to provide evidence that regardless of the type of change that occurs when heating, cooling, or mixing substances, the total weight of matter is conserved

8/20/2018	665003	Candy Chemistry	MS-PS1-4	Matter and Its Interactions	Develop a model that predicts and describes changes in particle motion, temperature, and state of a pure substance when thermal energy is added or removed
8/20/2018	665107	Catapults & Crossbows	2-PS1-3	Structure and Properties of Matter	Make observations to construct an evidence-based account of how an object made of a small set of pieces can be disassembled and made into a new object
8/20/2018	665107	Catapults & Crossbows	K-2-ETS1-2	K-2.Engineering Design	Develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem
8/20/2018	665107	Catapults & Crossbows	K-2-ETS1-3	K-2.Engineering Design	Analyze data from tests of two objects designed to solve the same problem to compare the strengths and weaknesses of how each performs
8/20/2018	665107	Catapults & Crossbows	3-PS2-1	Forces and Interactions	Plan and conduct an investigation to provide evidence of the effects of balanced and unbalanced forces on the motion of an object
8/20/2018	665107	Catapults & Crossbows	3-PS2-2	Forces and Interactions	Make observations and/or measurements of an object's motion to provide evidence that a pattern can be used to predict future motion
8/20/2018	665107	Catapults & Crossbows	4-PS3-1	Energy	Use evidence to construct an explanation relating the speed of an object to the energy of that object
8/20/2018	665107	Catapults & Crossbows	4-PS3-3	Energy	Ask questions and predict outcomes about the changes in energy that occur when objects collide
8/20/2018	665107	Catapults & Crossbows	4-PS3-4	Energy	Apply scientific ideas to design, test, and refine a device that converts energy from one form to another.

8/20/2018	640118	CHEM C1000 (V 2.0)	5-PS1-2	Structure and Properties of Matter	Measure and graph quantities to provide evidence that regardless of the type of change that occurs when heating, cooling, or mixing substances, the total weight of matter is conserved
8/20/2018	640118	CHEM C1000 (V 2.0)	5-PS1-3	Structure and Properties of Matter	Make observations and measurements to identify materials based on their properties
8/20/2018	640118	CHEM C1000 (V 2.0)	5-PS1-4	Structure and Properties of Matter	Conduct an investigation to determine whether the mixing of two or more substances results in new substances
8/20/2018	640118	CHEM C1000 (V 2.0)	MS-PS1-2	Matter and Its Interactions	Analyze and interpret data on the properties of substances before and after the substances interact to determine if a chemical reaction has occurred.
8/20/2018	640118	CHEM C1000 (V 2.0)	MS-PS1-6	Matter and Its Interactions	Undertake a design project to construct, test, and modify a device that either releases or absorbs thermal energy by chemical processes
8/20/2018	640125	CHEM C2000 (V 2.0)	5-PS1-2	Structure and Properties of Matter	Measure and graph quantities to provide evidence that regardless of the type of change that occurs when heating, cooling, or mixing substances, the total weight of matter is conserved
8/20/2018	640125	CHEM C2000 (V 2.0)	5-PS1-3	Structure and Properties of Matter	Make observations and measurements to identify materials based on their properties
8/20/2018	640125	CHEM C2000 (V 2.0)	5-PS1-4	Structure and Properties of Matter	Conduct an investigation to determine whether the mixing of two or more substances results in new substances
8/20/2018	640125	CHEM C2000 (V 2.0)	MS-PS1-2	Matter and Its Interactions	Analyze and interpret data on the properties of substances before and after the substances interact to determine if a chemical reaction has occurred.

8/20/2018	640125	CHEM C2000 (V 2.0)	MS-PS1-6	Matter and Its Interactions	Undertake a design project to construct, test, and modify a device that either releases or absorbs thermal energy by chemical processes
8/20/2018	640132	CHEM C3000 (V 2.0)	5-PS1-2	Structure and Properties of Matter	Measure and graph quantities to provide evidence that regardless of the type of change that occurs when heating, cooling, or mixing substances, the total weight of matter is conserved
8/20/2018	640132	CHEM C3000 (V 2.0)	5-PS1-3	Structure and Properties of Matter	Make observations and measurements to identify materials based on their properties
8/20/2018	640132	CHEM C3000 (V 2.0)	5-PS1-4	Structure and Properties of Matter	Conduct an investigation to determine whether the mixing of two or more substances results in new substances
8/20/2018	640132	CHEM C3000 (V 2.0)	MS-PS1-2	Matter and Its Interactions	Analyze and interpret data on the properties of substances before and after the substances interact to determine if a chemical reaction has occurred.
8/20/2018	640132	CHEM C3000 (V 2.0)	MS-PS1-6	Matter and Its Interactions	Undertake a design project to construct, test, and modify a device that either releases or absorbs thermal energy by chemical processes
8/20/2018	665012	Chemistry C500	5-PS1-2	Structure and Properties of Matter	Measure and graph quantities to provide evidence that regardless of the type of change that occurs when heating, cooling, or mixing substances, the total weight of matter is conserved
8/20/2018	665012	Chemistry C500	5-PS1-3	Structure and Properties of Matter	Make observations and measurements to identify materials based on their properties
8/20/2018	665012	Chemistry C500	5-PS1-4	Structure and Properties of Matter	Conduct an investigation to determine whether the mixing of two or more substances results in new substances
8/20/2018	550023	Chewing Gum Lab	2-PS1-1	Structure and Properties of Matter	Plan and conduct an investigation to describe and classify different kinds of materials by their observable properties.

8/20/2018	550023	Chewing Gum Lab	2-PS1-2	Structure and Properties of Matter	Analyze data obtained from testing different materials to determine which materials have the properties that are best suited for an intended purpose.*
8/20/2018	550023	Chewing Gum Lab	2-PS1-4.	Structure and Properties of Matter	Construct an argument with evidence that some changes caused by heating or cooling can be reversed and some cannot
8/20/2018	550023	Chewing Gum Lab	5-PS1-3	Structure and Properties of Matter	Make observations and measurements to identify materials based on their properties
8/20/2018	550023	Chewing Gum Lab	5-PS1-4	Structure and Properties of Matter	Conduct an investigation to determine whether the mixing of two or more substances results in new substances
8/20/2018	665006	Climate & Weather	3-ESS2-2	Weather and Climate	Obtain and combine information to describe climates in different regions of the world.
8/20/2018	665006	Climate & Weather	5-ESS2-1	Earth's Systems	Develop a model using an example to describe ways the geosphere, biosphere, hydrosphere, and/or atmosphere interact
8/20/2018	665006	Climate & Weather	MS-ESS2-1	Earth's Systems	Develop a model to describe the cycling of Earth's materials and the flow of energy that drives this process
8/20/2018	665006	Climate & Weather	MS-ESS2-4	Earth's Systems	Develop a model to describe the cycling of water through Earth's systems driven by energy from the sun and the force of gravity.
8/20/2018	665006	Climate & Weather	MS-ESS2-5	Earth's Systems	Collect data to provide evidence for how the motions and complex interactions of air masses result in changes in weather conditions.
8/20/2018	665006	Climate & Weather	MS-ESS2-6	Earth's Systems	Develop and use a model to describe how unequal heating and rotation of the Earth cause patterns of atmospheric and oceanic circulation that determine regional climates

8/20/2018	665006	Climate & Weather	MS-ESS3-5	Earth and Human Activity	Ask questions to clarify evidence of the factors that have caused the rise in global temperatures over the past century.
8/20/2018	620141	CodeGamer	MS-PS4-2	Waves and Their Applications in Technologies for Information Transfer	Develop and use a model to describe that waves are reflected, absorbed, or transmitted through various materials.
8/20/2018	620141	CodeGamer	MS-PS4-3	Waves and Their Applications in Technologies for Information Transfer	Integrate qualitative scientific and technical information to support the claim that digitized signals are a more reliable way to encode and transmit information than analog signals.
8/20/2018	567012	Coding & Robotics			
8/20/2018	646518	Creative Cosmetics Lab	2-PS1-1	Structure and Properties of Matter	Plan and conduct an investigation to describe and classify different kinds of materials by their observable properties.
8/20/2018	646518	Creative Cosmetics Lab	2-PS1-2	Structure and Properties of Matter	Analyze data obtained from testing different materials to determine which materials have the properties that are best suited for an intended purpose.*
8/20/2018	646518	Creative Cosmetics Lab	2-PS1-4	Structure and Properties of Matter	Construct an argument with evidence that some changes caused by heating or cooling can be reversed and some cannot
8/20/2018	646518	Creative Cosmetics Lab	5-PS1-3	Structure and Properties of Matter	Make observations and measurements to identify materials based on their properties
8/20/2018	646518	Creative Cosmetics Lab	5-PS1-4	Structure and Properties of Matter	Conduct an investigation to determine whether the mixing of two or more substances results in new substances
8/20/2018	646518	Creative Cosmetics Lab	MS-PS1-3	Matter and Its Interactions	Gather and make sense of information to describe that synthetic materials come from natural resources and impact society

8/20/2018	646518	Creative Cosmetics Lab	MS-LS1-8	From Molecules to Organisms: Structures and Processes	Gather and synthesize information that sensory receptors respond to stimuli by sending messages to the brain for immediate behavior or storage as memories
8/20/2018	551007	Crystal Geode	2-PS1-3	Structure and Properties of Matter	Make observations to construct an evidence-based account of how an object made of a small set of pieces can be disassembled and made into a new object
8/20/2018	551007	Crystal Geode	2-PS1-4	Structure and Properties of Matter	Construct an argument with evidence that some changes caused by heating or cooling can be reversed and some cannot
8/20/2018	551007	Crystal Geode	5-PS1-3	Structure and Properties of Matter	Make observations and measurements to identify materials based on their properties
8/20/2018	551007	Crystal Geode	5-PS1-4	Structure and Properties of Matter	Conduct an investigation to determine whether the mixing of two or more substances results in new substances
8/20/2018	643522	Crystal Growing	2-PS1-3	Structure and Properties of Matter	Make observations to construct an evidence-based account of how an object made of a small set of pieces can be disassembled and made into a new object
8/20/2018	643522	Crystal Growing	2-PS1-4	Structure and Properties of Matter	Construct an argument with evidence that some changes caused by heating or cooling can be reversed and some cannot
8/20/2018	643522	Crystal Growing	5-PS1-3	Structure and Properties of Matter	Make observations and measurements to identify materials based on their properties
8/20/2018	643522	Crystal Growing	5-PS1-4	Structure and Properties of Matter	Conduct an investigation to determine whether the mixing of two or more substances results in new substances
8/20/2018	643525	Crystal Growing: Glow-in-the-Dark	2-PS1-3	Structure and Properties of Matter	Make observations to construct an evidence-based account of how an object made of a small set of pieces can be disassembled and made into a new object

8/20/2018	643525	Crystal Growing: Glow-in-the-Dark	2-PS1-4	Structure and Properties of Matter	Construct an argument with evidence that some changes caused by heating or cooling can be reversed and some cannot
8/20/2018	643525	Crystal Growing: Glow-in-the-Dark	5-PS1-3	Structure and Properties of Matter	Make observations and measurements to identify materials based on their properties
8/20/2018	643525	Crystal Growing: Glow-in-the-Dark	5-PS1-4	Structure and Properties of Matter	Conduct an investigation to determine whether the mixing of two or more substances results in new substances
8/20/2018	643525	Crystal Growing: Glow-in-the-Dark	MS-PS1-2	Matter and Its Interactions	Analyze and interpret data on the properties of substances before and after the substances interact to determine if a chemical reaction has occurred.
8/20/2018	550009	Crystal Nightlight	2-PS1-3	Structure and Properties of Matter	Make observations to construct an evidence-based account of how an object made of a small set of pieces can be disassembled and made into a new object
8/20/2018	550009	Crystal Nightlight	2-PS1-4	Structure and Properties of Matter	Construct an argument with evidence that some changes caused by heating or cooling can be reversed and some cannot
8/20/2018	550009	Crystal Nightlight	5-PS1-3	Structure and Properties of Matter	Make observations and measurements to identify materials based on their properties
8/20/2018	550009	Crystal Nightlight	5-PS1-4	Structure and Properties of Matter	Conduct an investigation to determine whether the mixing of two or more substances results in new substances
8/20/2018	642112	Crystals, Rocks & Minerals	5-PS1-3	Structure and Properties of Matter	Make observations and measurements to identify materials based on their properties
8/20/2018	642112	Crystals, Rocks & Minerals	5-PS1-4	Structure and Properties of Matter	Conduct an investigation to determine whether the mixing of two or more substances results in new substances
8/20/2018	673017	Day & Night Globe	4-ESS2-2	Earth’s Systems	Analyze and interpret data from maps to describe patterns of Earth’s features.

8/20/2018	620417	Electricity & Magnetism	3-PS2-3	Forces and Interactions	Ask questions to determine cause and effect relationships of electric or magnetic interactions between two objects not in contact with each other
8/20/2018	620417	Electricity & Magnetism	3-PS2-4	Forces and Interactions	Define a simple design problem that can be solved by applying scientific ideas about magnets.*
8/20/2018	620417	Electricity & Magnetism	MS-PS2-5	Motion and Stability: Forces and Interactions	Conduct an investigation and evaluate the experimental design to provide evidence that fields exist between objects exerting forces on each other even though the objects are not in contact.
8/20/2018	620417	Electricity & Magnetism	MS-PS4-3	Waves and Their Applications in Technologies for Information Transfer	Integrate qualitative scientific and technical information to support the claim that digitized signals are a more reliable way to encode and transmit information than analog signals.
8/20/2018	620813	Electricity: Master Lab	3-PS2-3	Forces and Interactions	Ask questions to determine cause and effect relationships of electric or magnetic interactions between two objects not in contact with each other
8/20/2018	620813	Electricity: Master Lab	3-PS2-4	Forces and Interactions	Define a simple design problem that can be solved by applying scientific ideas about magnets.*
8/20/2018	620813	Electricity: Master Lab	MS-PS2-5	Motion and Stability: Forces and Interactions	Conduct an investigation and evaluate the experimental design to provide evidence that fields exist between objects exerting forces on each other even though the objects are not in contact.
8/20/2018	620813	Electricity: Master Lab	MS-PS4-3	Waves and Their Applications in Technologies for Information Transfer	Integrate qualitative scientific and technical information to support the claim that digitized signals are a more reliable way to encode and transmit information than analog signals.

8/20/2018	615918	Electronics: Advanced Circuits	3-PS2-3	Forces and Interactions	Ask questions to determine cause and effect relationships of electric or magnetic interactions between two objects not in contact with each other
8/20/2018	615918	Electronics: Advanced Circuits	3-PS2-4	Forces and Interactions	Define a simple design problem that can be solved by applying scientific ideas about magnets.*
8/20/2018	615918	Electronics: Advanced Circuits	MS-PS2-5	Motion and Stability: Forces and Interactions	Conduct an investigation and evaluate the experimental design to provide evidence that fields exist between objects exerting forces on each other even though the objects are not in contact.
8/20/2018	615918	Electronics: Advanced Circuits	MS-PS4-3	Waves and Their Applications in Technologies for Information Transfer	Integrate qualitative scientific and technical information to support the claim that digitized signals are a more reliable way to encode and transmit information than analog signals.
8/20/2018	615819	Electronics: Learning Circuits	3-PS2-3	Forces and Interactions	Ask questions to determine cause and effect relationships of electric or magnetic interactions between two objects not in contact with each other
8/20/2018	615819	Electronics: Learning Circuits	3-PS2-4	Forces and Interactions	Define a simple design problem that can be solved by applying scientific ideas about magnets.*
8/20/2018	615819	Electronics: Learning Circuits	MS-PS2-5	Motion and Stability: Forces and Interactions	Conduct an investigation and evaluate the experimental design to provide evidence that fields exist between objects exerting forces on each other even though the objects are not in contact.
8/20/2018	615819	Electronics: Learning Circuits	MS-PS4-3	Waves and Their Applications in Technologies for Information Transfer	Integrate qualitative scientific and technical information to support the claim that digitized signals are a more reliable way to encode and transmit information than analog signals.

8/20/2018	631116	Elements of Science	3-PS2-3	Forces and Interactions	Ask questions to determine cause and effect relationships of electric or magnetic interactions between two objects not in contact with each other
8/20/2018	631116	Elements of Science	3-PS2-4	Forces and Interactions	Define a simple design problem that can be solved by applying scientific ideas about magnets.*
8/20/2018	631116	Elements of Science	MS-PS2-5	Motion and Stability: Forces and Interactions	Conduct an investigation and evaluate the experimental design to provide evidence that fields exist between objects exerting forces on each other even though the objects are not in contact.
8/20/2018	550025	Flying Ornithopters	2-PS1-3	Structure and Properties of Matter	Make observations to construct an evidence-based account of how an object made of a small set of pieces can be disassembled and made into a new object
8/20/2018	550025	Flying Ornithopters	4-PS3-4	Energy	Apply scientific ideas to design, test, and refine a device that converts energy from one form to another.
8/20/2018	620318	Fuel Cell 10: Car & Experiment Kit	4-PS3-4	Energy	Apply scientific ideas to design, test, and refine a device that converts energy from one form to another.
8/20/2018	620318	Fuel Cell 10: Car & Experiment Kit	4-ESS3-1	Earth and Human Activity	Obtain and combine information to describe that energy and fuels are derived from natural resources and that their uses affect the environment
8/20/2018	620318	Fuel Cell 10: Car & Experiment Kit	3-5-ETS1-3	Engineering Design	Plan and carry out fair tests in which variables are controlled and failure points are considered to identify aspects of a model or prototype that can be improved.
8/20/2018	555060	Geared-Up Gadgets	K-PS2-1	Forces and Interactions: Pushes and Pulls	Plan and conduct an investigation to compare the effects of different strengths or different directions of pushes and pulls on the motion of an object

8/20/2018	555060	Geared-Up Gadgets	K-PS2-2	Forces and Interactions: Pushes and Pulls	Analyze data to determine if a design solution works as intended to change the speed or direction of an object with a push or a pull.*
8/20/2018	555060	Geared-Up Gadgets	K-2-ETS1-2	K-2.Engineering Design	Develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem
8/20/2018	555060	Geared-Up Gadgets	2-PS1-3	Structure and Properties of Matter	Make observations to construct an evidence-based account of how an object made of a small set of pieces can be disassembled and made into a new object
8/20/2018	555060	Geared-Up Gadgets	3-PS2-1	Forces and Interactions	Plan and conduct an investigation to provide evidence of the effects of balanced and unbalanced forces on the motion of an object
8/20/2018	620365	Geckobot	2-PS1-3	Structure and Properties of Matter	Make observations to construct an evidence-based account of how an object made of a small set of pieces can be disassembled and made into a new object
8/20/2018	620365	Geckobot	K-2-ETS1-2	K-2.Engineering Design	Develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem
8/20/2018	620365	Geckobot	K-2-ETS1-3	K-2.Engineering Design	Analyze data from tests of two objects designed to solve the same problem to compare the strengths and weaknesses of how each performs
8/20/2018	665002	Genetics & DNA (V 2.0)	4-LS1-1	Structure, Function, and Information Processing	Construct an argument that plants and animals have internal and external structures that function to support survival, growth, behavior, and reproduction.
8/20/2018	665002	Genetics & DNA (V 2.0)	MS-LS1-1	From Molecules to Organisms: Structures and Processes	Conduct an investigation to provide evidence that living things are made of cells; either one cell or many different numbers and types of cells

8/20/2018	665002	Genetics & DNA (V 2.0)	MS-LS4-4	Biological Evolution: Unity and Diversity	Construct an explanation based on evidence that describes how genetic variations of traits in a population increase some individuals' probability of surviving and reproducing in a specific environment
8/20/2018	665002	Genetics & DNA (V 2.0)	MS-LS4-6	Biological Evolution: Unity and Diversity	Use mathematical representations to support explanations of how natural selection may lead to increases and decreases of specific traits in populations over time.
8/20/2018	632120	Giant Dinosaur Skeleton Kit	2-PS1-3	Structure and Properties of Matter	Make observations to construct an evidence-based account of how an object made of a small set of pieces can be disassembled and made into a new object
8/20/2018	550004	Giant Mars Volcano			
8/20/2018	550002	Glow Stick Lab	2-PS1-1	Structure and Properties of Matter	Plan and conduct an investigation to describe and classify different kinds of materials by their observable properties.
8/20/2018	550002	Glow Stick Lab	2-PS1-2	Structure and Properties of Matter	Analyze data obtained from testing different materials to determine which materials have the properties that are best suited for an intended purpose.*
8/20/2018	644895	Glowing Chemistry	5-PS1-4	Structure and Properties of Matter	Conduct an investigation to determine whether the mixing of two or more substances results in new substances
8/20/2018	550022	Glowing Crystal Geode	5-PS1-4	Structure and Properties of Matter	Conduct an investigation to determine whether the mixing of two or more substances results in new substances
8/20/2018	550026	Gross Gummy Candy Lab: Worms and Spiders	2-PS1-1	Structure and Properties of Matter	Plan and conduct an investigation to describe and classify different kinds of materials by their observable properties.
8/20/2018	550026	Gross Gummy Candy Lab: Worms and Spiders	2-PS1-2	Structure and Properties of Matter	Analyze data obtained from testing different materials to determine which materials have the properties that are best suited for an intended purpose.*

8/20/2018	550026	Gross Gummy Candy Lab: Worms and Spiders	2-PS1-4	Structure and Properties of Matter	Construct an argument with evidence that some changes caused by heating or cooling can be reversed and some cannot
8/20/2018	550026	Gross Gummy Candy Lab: Worms and Spiders	5-PS1-3	Structure and Properties of Matter	Make observations and measurements to identify materials based on their properties
8/20/2018	550026	Gross Gummy Candy Lab: Worms and Spiders	5-PS1-4	Structure and Properties of Matter	Conduct an investigation to determine whether the mixing of two or more substances results in new substances
8/20/2018	656034	Grow a Blue Crystal	5-PS1-4	Structure and Properties of Matter	Conduct an investigation to determine whether the mixing of two or more substances results in new substances
8/20/2018	656041	Grow a Green Crystal	5-PS1-4	Structure and Properties of Matter	Conduct an investigation to determine whether the mixing of two or more substances results in new substances
8/20/2018	656072	Grow a Pink Crystal	5-PS1-4	Structure and Properties of Matter	Conduct an investigation to determine whether the mixing of two or more substances results in new substances
8/20/2018	656065	Grow a Yellow Crystal	5-PS1-4	Structure and Properties of Matter	Conduct an investigation to determine whether the mixing of two or more substances results in new substances
8/20/2018	550024	Gummy Candy Lab	2-PS1-1	Structure and Properties of Matter	Plan and conduct an investigation to describe and classify different kinds of materials by their observable properties.
8/20/2018	550024	Gummy Candy Lab	2-PS1-2	Structure and Properties of Matter	Analyze data obtained from testing different materials to determine which materials have the properties that are best suited for an intended purpose.*
8/20/2018	550024	Gummy Candy Lab	2-PS1-4	Structure and Properties of Matter	Construct an argument with evidence that some changes caused by heating or cooling can be reversed and some cannot
8/20/2018	550024	Gummy Candy Lab	5-PS1-3	Structure and Properties of Matter	Make observations and measurements to identify materials based on their properties

8/20/2018	550024	Gummy Candy Lab	5-PS1-4	Structure and Properties of Matter	Conduct an investigation to determine whether the mixing of two or more substances results in new substances
8/20/2018	620301	Gyrobot	K-2-ETS1-1	K-2.Engineering Design	Ask questions, make observations, and gather information about a situation people want to change to define a simple problem that can be solved through the development of a new or improved object or tool
8/20/2018	620301	Gyrobot	K-2-ETS1-2	K-2.Engineering Design	Develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem
8/20/2018	620301	Gyrobot	3-PS2-1	Forces and Interactions	Plan and conduct an investigation to provide evidence of the effects of balanced and unbalanced forces on the motion of an object
8/20/2018	620301	Gyrobot	3-PS2-2	Forces and Interactions	Make observations and/or measurements of an object's motion to provide evidence that a pattern can be used to predict future motion
8/20/2018	620301	Gyrobot	4-PS3-1	Energy	Use evidence to construct an explanation relating the speed of an object to the energy of that object
8/20/2018	620301	Gyrobot	4-PS3-4	Energy	Apply scientific ideas to design, test, and refine a device that converts energy from one form to another.
8/20/2018	665106	Gyroscopes & Flywheels	3-PS2-1	Forces and Interactions	Plan and conduct an investigation to provide evidence of the effects of balanced and unbalanced forces on the motion of an object
8/20/2018	665106	Gyroscopes & Flywheels	3-PS2-2	Forces and Interactions	Make observations and/or measurements of an object's motion to provide evidence that a pattern can be used to predict future motion

8/20/2018	665106	Gyroscopes & Flywheels	3-PS2-2	Forces and Interactions	Make observations and/or measurements of an object's motion to provide evidence that a pattern can be used to predict future motion
8/20/2018	665106	Gyroscopes & Flywheels	4-PS3-1	Energy	Use evidence to construct an explanation relating the speed of an object to the energy of that object
8/20/2018	665106	Gyroscopes & Flywheels	4-PS3-4	Energy	Apply scientific ideas to design, test, and refine a device that converts energy from one form to another.
8/20/2018	585001	Happy Atoms Complete Set (50 Atoms)	5-PS1-1	Structure and Properties of Matter	Develop a model to describe that matter is made of particles too small to be seen
8/20/2018	585001	Happy Atoms Complete Set (50 Atoms)	MS-PS1-1	Matter and Its Interactions	Develop models to describe the atomic composition of simple molecules and extended structures
8/20/2018	585001	Happy Atoms Complete Set (50 Atoms)	MS-PS1-3	Matter and Its Interactions	Gather and make sense of information to describe that synthetic materials come from natural resources and impact society
8/20/2018	585001	Happy Atoms Complete Set (50 Atoms)	MS-PS1-4	Matter and Its Interactions	Develop a model that predicts and describes changes in particle motion, temperature, and state of a pure substance when thermal energy is added or removed
8/20/2018	585001	Happy Atoms Complete Set (50 Atoms)	MS-PS1-5	Matter and Its Interactions	Develop and use a model to describe how the total number of atoms does not change in a chemical reaction and thus mass is conserved.
8/20/2018	585001	Happy Atoms Complete Set (50 Atoms)	HS-PS1-1	Matter and Its Interactions	Use the periodic table as a model to predict the relative properties of elements based on the patterns of electrons in the outermost energy level of atoms
8/20/2018	585003	Happy Atoms Educator's Bundle (250 Atoms)	5-PS1-1	Structure and Properties of Matter	Develop a model to describe that matter is made of particles too small to be seen
8/20/2018	585003	Happy Atoms Educator's Bundle (250 Atoms)	MS-PS1-1	Matter and Its Interactions	Develop models to describe the atomic composition of simple molecules and extended structures

8/20/2018	585003	Happy Atoms Educator's Bundle (250 Atoms)	MS-PS1-3	Matter and Its Interactions	Gather and make sense of information to describe that synthetic materials come from natural resources and impact society
8/20/2018	585003	Happy Atoms Educator's Bundle (250 Atoms)	MS-PS1-4	Matter and Its Interactions	Develop a model that predicts and describes changes in particle motion, temperature, and state of a pure substance when thermal energy is added or removed
8/20/2018	585003	Happy Atoms Educator's Bundle (250 Atoms)	MS-PS1-5	Matter and Its Interactions	Develop and use a model to describe how the total number of atoms does not change in a chemical reaction and thus mass is conserved.
8/20/2018	585003	Happy Atoms Educator's Bundle (250 Atoms)	HS-PS1-1	Matter and Its Interactions	Use the periodic table as a model to predict the relative properties of elements based on the patterns of electrons in the outermost energy level of atoms
8/20/2018	585002	Happy Atoms Introductory Set (17 Atoms)	5-PS1-1	Structure and Properties of Matter	Develop a model to describe that matter is made of particles too small to be seen
8/20/2018	585002	Happy Atoms Introductory Set (17 Atoms)	MS-PS1-1	Matter and Its Interactions	Develop models to describe the atomic composition of simple molecules and extended structures
8/20/2018	585002	Happy Atoms Introductory Set (17 Atoms)	MS-PS1-3	Matter and Its Interactions	Gather and make sense of information to describe that synthetic materials come from natural resources and impact society
8/20/2018	585002	Happy Atoms Introductory Set (17 Atoms)	MS-PS1-4	Matter and Its Interactions	Develop a model that predicts and describes changes in particle motion, temperature, and state of a pure substance when thermal energy is added or removed
8/20/2018	585002	Happy Atoms Introductory Set (17 Atoms)	MS-PS1-5	Matter and Its Interactions	Develop and use a model to describe how the total number of atoms does not change in a chemical reaction and thus mass is conserved.
8/20/2018	585002	Happy Atoms Introductory Set (17 Atoms)	HS-PS1-1	Matter and Its Interactions	Use the periodic table as a model to predict the relative properties of elements based on the patterns of electrons in the outermost energy level of atoms

8/20/2018	624811	Hydropower	2-PS1-3	Structure and Properties of Matter	Make observations to construct an evidence-based account of how an object made of a small set of pieces can be disassembled and made into a new object
8/20/2018	624811	Hydropower	3-PS2-1	Forces and Interactions	Plan and conduct an investigation to provide evidence of the effects of balanced and unbalanced forces on the motion of an object
8/20/2018	624811	Hydropower	3-PS2-2	Forces and Interactions	Make observations and/or measurements of an object's motion to provide evidence that a pattern can be used to predict future motion
8/20/2018	624811	Hydropower	4-PS3-1	Energy	Use evidence to construct an explanation relating the speed of an object to the energy of that object
8/20/2018	624811	Hydropower	4-PS3-4	Energy	Apply scientific ideas to design, test, and refine a device that converts energy from one form to another.
8/20/2018	624811	Hydropower	4-ESS3-1	Earth and Human Activity	Obtain and combine information to describe that energy and fuels are derived from natural resources and that their uses affect the environment
8/20/2018	657550	I Dig It! Dinos - 3D T. Rex Excavation Kit	3-LS4-1	Biological Evolution: Unity and Diversity	Analyze and interpret data from fossils to provide evidence of the organisms and the environments in which they lived long ago
8/20/2018	N/A	I Dig It! Dinos - Dino Egg Filled Display Information	3-LS4-1	Biological Evolution: Unity and Diversity	Analyze and interpret data from fossils to provide evidence of the organisms and the environments in which they lived long ago
8/20/2018	630485	I Dig It! Dinos - Glow-in-the-Dark Pterosaur Excavation Kit	3-LS4-1	Biological Evolution: Unity and Diversity	Analyze and interpret data from fossils to provide evidence of the organisms and the environments in which they lived long ago
8/20/2018	630409	I Dig It! Dinos - Glow-in-the-Dark T. Rex Excavation Kit	3-LS4-1	Biological Evolution: Unity and Diversity	Analyze and interpret data from fossils to provide evidence of the organisms and the environments in which they lived long ago

8/20/2018	630065	I Dig It! Dinos - T. Rex Egg Excavation Kit	3-LS4-1	Biological Evolution: Unity and Diversity	Analyze and interpret data from fossils to provide evidence of the organisms and the environments in which they lived long ago
8/20/2018	630362	I Dig It! Dinos - T. Rex Excavation Kit	3-LS4-1	Biological Evolution: Unity and Diversity	Analyze and interpret data from fossils to provide evidence of the organisms and the environments in which they lived long ago
8/20/2018	630492	I Dig It! Dinos - T. Rex Tooth Excavation Kit	3-LS4-1	Biological Evolution: Unity and Diversity	Analyze and interpret data from fossils to provide evidence of the organisms and the environments in which they lived long ago
8/20/2018	630461	I Dig It! Fossils - Real Fossils Excavation Kit	3-LS4-1	Biological Evolution: Unity and Diversity	Analyze and interpret data from fossils to provide evidence of the organisms and the environments in which they lived long ago
8/20/2018	630447	I Dig It! Rocks - Real Minerals Excavation Kit	3-LS4-1	Biological Evolution: Unity and Diversity	Analyze and interpret data from fossils to provide evidence of the organisms and the environments in which they lived long ago
8/20/2018	567002	Intro to Engineering	K-PS2-1	Forces and Interactions: Pushes and Pulls	Plan and conduct an investigation to compare the effects of different strengths or different directions of pushes and pulls on the motion of an object
8/20/2018	567002	Intro to Engineering	1-PS4-1	Waves: Light and Sound	Plan and conduct investigations to provide evidence that vibrating materials can make sound and that sound can make materials vibrate
8/20/2018	567002	Intro to Engineering	1-PS4-4	Waves: Light and Sound	Use tools and materials to design and build a device that uses light or sound to solve the problem of communicating over a distance.*
8/20/2018	567002	Intro to Engineering	K-2-ETS1-1	K-2.Engineering Design	Ask questions, make observations, and gather information about a situation people want to change to define a simple problem that can be solved through the development of a new or improved object or tool
8/20/2018	567002	Intro to Engineering	K-2-ETS1-2	K-2.Engineering Design	Develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem

8/20/2018	635213	Kids First Biology Lab	2-LS4-1	Interdependent Relationships in Ecosystems	Make observations of plants and animals to compare the diversity of life in different habitats
8/20/2018	635213	Kids First Biology Lab	3-LS1-1	Inheritance and Variation of Traits: Life Cycles and Traits	Develop models to describe that organisms have unique and diverse life cycles but all have in common birth, growth, reproduction, and death
8/20/2018	635213	Kids First Biology Lab	4-LS1-1	Structure, Function, and Information Processing	Construct an argument that plants and animals have internal and external structures that function to support survival, growth, behavior, and reproduction.
8/20/2018	635213	Kids First Biology Lab	MS-LS1-1	From Molecules to Organisms: Structures and Processes	Conduct an investigation to provide evidence that living things are made of cells; either one cell or many different numbers and types of cells
8/20/2018	635213	Kids First Biology Lab	MS-LS1-2	From Molecules to Organisms: Structures and Processes	Develop and use a model to describe the function of a cell as a whole and ways the parts of cells contribute to the function
8/20/2018	635213	Kids First Biology Lab	MS-LS1-3	From Molecules to Organisms: Structures and Processes	Use argument supported by evidence for how the body is a system of interacting subsystems composed of groups of cells
8/20/2018	635213	Kids First Biology Lab	MS-LS1-6	From Molecules to Organisms: Structures and Processes	Construct a scientific explanation based on evidence for the role of photosynthesis in the cycling of matter and flow of energy into and out of organisms
8/20/2018	642921	Kids First Chemistry Set	2-PS1-4	Structure and Properties of Matter	Construct an argument with evidence that some changes caused by heating or cooling can be reversed and some cannot
8/20/2018	673024	Kids First Light-Up Globe	4-ESS2-2	Earth's Systems	Analyze and interpret data from maps to describe patterns of Earth's features.
8/20/2018	628318	Kids First Physics Lab	2-PS1-3	Structure and Properties of Matter	Make observations to construct an evidence-based account of how an object made of a small set of pieces can be disassembled and made into a new object

8/20/2018	628318	Kids First Physics Lab	3-PS2-1	Forces and Interactions	Plan and conduct an investigation to provide evidence of the effects of balanced and unbalanced forces on the motion of an object
8/20/2018	628318	Kids First Physics Lab	3-PS2-2	Forces and Interactions	Make observations and/or measurements of an object's motion to provide evidence that a pattern can be used to predict future motion
8/20/2018	628318	Kids First Physics Lab	4-PS3-1	Energy	Use evidence to construct an explanation relating the speed of an object to the energy of that object
8/20/2018	628318	Kids First Physics Lab	4-PS3-4	Energy	Apply scientific ideas to design, test, and refine a device that converts energy from one form to another.
8/20/2018	628318	Kids First Physics Lab	4-ESS3-1	Earth and Human Activity	Obtain and combine information to describe that energy and fuels are derived from natural resources and that their uses affect the environment
8/20/2018	555061	Kinetic Machines	K-PS2-1	Forces and Interactions: Pushes and Pulls	Plan and conduct an investigation to compare the effects of different strengths or different directions of pushes and pulls on the motion of an object
8/20/2018	555061	Kinetic Machines	2-PS1-3	Structure and Properties of Matter	Make observations to construct an evidence-based account of how an object made of a small set of pieces can be disassembled and made into a new object
8/20/2018	555061	Kinetic Machines	K-2-ETS1-2	K-2.Engineering Design	Develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem
8/20/2018	555061	Kinetic Machines	K-2-ETS1-3	K-2.Engineering Design	Analyze data from tests of two objects designed to solve the same problem to compare the strengths and weaknesses of how each performs

8/20/2018	555061	Kinetic Machines	3-PS2-1	Forces and Interactions	Plan and conduct an investigation to provide evidence of the effects of balanced and unbalanced forces on the motion of an object
8/20/2018	555061	Kinetic Machines	3-PS2-2	Forces and Interactions	Make observations and/or measurements of an object's motion to provide evidence that a pattern can be used to predict future motion
8/20/2018	555061	Kinetic Machines	4-PS3-3	Energy	Ask questions and predict outcomes about the changes in energy that occur when objects collide
8/20/2018	555061	Kinetic Machines	4-PS3-4	Energy	Apply scientific ideas to design, test, and refine a device that converts energy from one form to another.
8/20/2018	630912	Master Detective Toolkit			
8/20/2018	625415	Mechanical Engineering: Robotic Arms	2-PS1-3	Structure and Properties of Matter	Make observations to construct an evidence-based account of how an object made of a small set of pieces can be disassembled and made into a new object
8/20/2018	625415	Mechanical Engineering: Robotic Arms	K-2-ETS1-1	K-2.Engineering Design	Ask questions, make observations, and gather information about a situation people want to change to define a simple problem that can be solved through the development of a new or improved object or tool
8/20/2018	625415	Mechanical Engineering: Robotic Arms	K-2-ETS1-3	K-2.Engineering Design	Analyze data from tests of two objects designed to solve the same problem to compare the strengths and weaknesses of how each performs
8/20/2018	625415	Mechanical Engineering: Robotic Arms	4-PS3-4	Energy	Apply scientific ideas to design, test, and refine a device that converts energy from one form to another.
8/20/2018	625415	Mechanical Engineering: Robotic Arms	3-5-ETS1-3	Engineering Design	Plan and carry out fair tests in which variables are controlled and failure points are considered to identify aspects of a model or prototype that can be improved.

8/20/2018	665105	Mineral Discovery	2-PS1-1	Structure and Properties of Matter	Plan and conduct an investigation to describe and classify different kinds of materials by their observable properties.
8/20/2018	601806	Minerals Rock! - Real Specimen (24 Unit Display)	2-PS1-1	Structure and Properties of Matter	Plan and conduct an investigation to describe and classify different kinds of materials by their observable properties.
8/20/2018	665036	Motors & Generators	K-2-ETS1-1	K-2.Engineering Design	Ask questions, make observations, and gather information about a situation people want to change to define a simple problem that can be solved through the development of a new or improved object or tool
8/20/2018	665036	Motors & Generators	K-2-ETS1-2	K-2.Engineering Design	Develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem
8/20/2018	665036	Motors & Generators	3-PS2-3	Forces and Interactions	Ask questions to determine cause and effect relationships of electric or magnetic interactions between two objects not in contact with each other
8/20/2018	665036	Motors & Generators	3-PS2-4	Forces and Interactions	Define a simple design problem that can be solved by applying scientific ideas about magnets.*
8/20/2018	665036	Motors & Generators	4-PS3-2	Energy	Make observations to provide evidence that energy can be transferred from place to place by sound, light, heat, and electric currents
8/20/2018	665036	Motors & Generators	4-PS3-4	Energy	Apply scientific ideas to design, test, and refine a device that converts energy from one form to another.
8/20/2018	665036	Motors & Generators	MS-PS2-3	Motion and Stability: Forces and Interactions	Ask questions about data to determine the factors that affect the strength of electric and magnetic forces

8/20/2018	665036	Motors & Generators	MS-PS2-5	Motion and Stability: Forces and Interactions	Conduct an investigation and evaluate the experimental design to provide evidence that fields exist between objects exerting forces on each other even though the objects are not in contact.
8/20/2018	631727	Nanotechnology	HS-PS2-6	Motion and Stability: Forces and Interactions	Communicate scientific and technical information about why the molecular-level structure is important in the functioning of designed materials
8/20/2018	555063	Off-Road Rovers	K-PS2-1	Forces and Interactions: Pushes and Pulls	Plan and conduct an investigation to compare the effects of different strengths or different directions of pushes and pulls on the motion of an object
8/20/2018	555063	Off-Road Rovers	2-PS1-3	Structure and Properties of Matter	Make observations to construct an evidence-based account of how an object made of a small set of pieces can be disassembled and made into a new object
8/20/2018	555063	Off-Road Rovers	K-2-ETS1-2	K-2.Engineering Design	Develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem
8/20/2018	555063	Off-Road Rovers	K-2-ETS1-3	K-2.Engineering Design	Analyze data from tests of two objects designed to solve the same problem to compare the strengths and weaknesses of how each performs
8/20/2018	555063	Off-Road Rovers	3-PS2-1	Forces and Interactions	Plan and conduct an investigation to provide evidence of the effects of balanced and unbalanced forces on the motion of an object
8/20/2018	555063	Off-Road Rovers	3-PS2-2	Forces and Interactions	Make observations and/or measurements of an object’s motion to provide evidence that a pattern can be used to predict future motion
8/20/2018	555063	Off-Road Rovers	4-PS3-3	Energy	Ask questions and predict outcomes about the changes in energy that occur when objects collide

8/20/2018	555063	Off-Road Rovers	4-PS3-4	Energy	Apply scientific ideas to design, test, and refine a device that converts energy from one form to another.
8/20/2018	575001	Ooze Labs 1: Magnetic Slime	3-PS2-3	Forces and Interactions	Ask questions to determine cause and effect relationships of electric or magnetic interactions between two objects not in contact with each other
8/20/2018	575002	Ooze Labs 2: Hot Ice Crystals	5-PS1-4	Structure and Properties of Matter	Conduct an investigation to determine whether the mixing of two or more substances results in new substances
8/20/2018	575003	Ooze Labs 3: Magic Sand	5-PS1-4	Structure and Properties of Matter	Conduct an investigation to determine whether the mixing of two or more substances results in new substances
8/20/2018	575004	Ooze Labs 4: Hypercolor Slime	2-PS1-4	Interdependent Relationships in Ecosystems	Construct an argument with evidence that some changes caused by heating or cooling can be reversed and some cannot
8/20/2018	575004	Ooze Labs 4: Hypercolor Slime	5-PS1-4	Structure and Properties of Matter	Conduct an investigation to determine whether the mixing of two or more substances results in new substances
8/20/2018	575004	Ooze Labs 4: Hypercolor Slime	5-PS1-3	Structure and Properties of Matter	Make observations and measurements to identify materials based on their properties
8/20/2018	575005	Ooze Labs 5: Glow-in-the-Dark Slime	5-PS1-4	Structure and Properties of Matter	Conduct an investigation to determine whether the mixing of two or more substances results in new substances
8/20/2018	575006	Ooze Labs 6: Sunshine Slime	5-PS1-4	Structure and Properties of Matter	Conduct an investigation to determine whether the mixing of two or more substances results in new substances
8/20/2018	575007	Ooze Labs 7: Glitter Slime	5-PS1-4	Structure and Properties of Matter	Conduct an investigation to determine whether the mixing of two or more substances results in new substances
8/20/2018	642105	Ooze Labs Chemistry Station	5-PS1-4	Structure and Properties of Matter	Conduct an investigation to determine whether the mixing of two or more substances results in new substances

8/20/2018	642105	Ooze Labs Chemistry Station	5-PS1-3	Structure and Properties of Matter	Make observations and measurements to identify materials based on their properties
8/20/2018	665005	Optical Science (V 2.0)	1-PS4-2	Waves: Light and Sound	Make observations to construct an evidence-based account that objects can be seen only when illuminated.
8/20/2018	665005	Optical Science (V 2.0)	1-PS4-3	Waves: Light and Sound	Plan and conduct an investigation to determine the effect of placing objects made with different materials in the path of a beam of light
8/20/2018	665005	Optical Science (V 2.0)	4-PS4-2	Waves and their Applications in Technologies for Information Transfer	Develop a model to describe that light reflecting from objects and entering the eye allows objects to be seen
8/20/2018	626037	Pepper Mint in the Fantastic Underwater Science Voyage	2-PS1-3	Structure and Properties of Matter	Make observations to construct an evidence-based account of how an object made of a small set of pieces can be disassembled and made into a new object
8/20/2018	626037	Pepper Mint in the Fantastic Underwater Science Voyage	K-2-ETS1-1	K-2.Engineering Design	Ask questions, make observations, and gather information about a situation people want to change to define a simple problem that can be solved through the development of a new or improved object or tool
8/20/2018	626037	Pepper Mint in the Fantastic Underwater Science Voyage	K-2-ETS1-2	K-2.Engineering Design	Develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem
8/20/2018	626037	Pepper Mint in the Fantastic Underwater Science Voyage	K-2-ETS1-3	K-2.Engineering Design	Analyze data from tests of two objects designed to solve the same problem to compare the strengths and weaknesses of how each performs
8/20/2018	626020	Pepper Mint in the Great Treehouse Engineering Adventure	2-PS1-3	Structure and Properties of Matter	Make observations to construct an evidence-based account of how an object made of a small set of pieces can be disassembled and made into a new object

8/20/2018	626020	Pepper Mint in the Great Treehouse Engineering Adventure	K-2-ETS1-1	K-2.Engineering Design	Ask questions, make observations, and gather information about a situation people want to change to define a simple problem that can be solved through the development of a new or improved object or tool
8/20/2018	626020	Pepper Mint in the Great Treehouse Engineering Adventure	K-2-ETS1-2	K-2.Engineering Design	Develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem
8/20/2018	626020	Pepper Mint in the Great Treehouse Engineering Adventure	K-2-ETS1-3	K-2.Engineering Design	Analyze data from tests of two objects designed to solve the same problem to compare the strengths and weaknesses of how each performs
8/20/2018	626020	Pepper Mint in the Great Treehouse Engineering Adventure	4-PS3-2	Energy	Make observations to provide evidence that energy can be transferred from place to place by sound, light, heat, and electric currents
8/20/2018	626020	Pepper Mint in the Great Treehouse Engineering Adventure	4-PS3-4	Energy	Apply scientific ideas to design, test, and refine a device that converts energy from one form to another.
8/20/2018	646517	Perfume Science	4-LS1-2	Structure, Function, and Information Processing	Use a model to describe that animals receive different types of information through their senses, process the information in their brain, and respond to the information in different ways
8/20/2018	665067	Physics Discovery (V 2.0)	2-PS1-3	Structure and Properties of Matter	Make observations to construct an evidence-based account of how an object made of a small set of pieces can be disassembled and made into a new object
8/20/2018	665067	Physics Discovery (V 2.0)	K-2-ETS1-1	K-2.Engineering Design	Ask questions, make observations, and gather information about a situation people want to change to define a simple problem that can be solved through the development of a new or improved object or tool

8/20/2018	665067	Physics Discovery (V 2.0)	K-2-ETS1-3	K-2.Engineering Design	Analyze data from tests of two objects designed to solve the same problem to compare the strengths and weaknesses of how each performs
8/20/2018	665067	Physics Discovery (V 2.0)	3-PS2-1	Forces and Interactions	Plan and conduct an investigation to provide evidence of the effects of balanced and unbalanced forces on the motion of an object
8/20/2018	665067	Physics Discovery (V 2.0)	3-PS2-2	Forces and Interactions	Make observations and/or measurements of an object's motion to provide evidence that a pattern can be used to predict future motion
8/20/2018	665067	Physics Discovery (V 2.0)	MS-PS2-4	Motion and Stability: Forces and Interactions	Construct and present arguments using evidence to support the claim that gravitational interactions are attractive and depend on the masses of interacting objects
8/20/2018	634026	Pocket Microscope: Nature Discovery Kit	2-PS1-1	Structure and Properties of Matter	Plan and conduct an investigation to describe and classify different kinds of materials by their observable properties.
8/20/2018	634026	Pocket Microscope: Nature Discovery Kit	2-LS4-1	Interdependent Relationships in Ecosystems	Make observations of plants and animals to compare the diversity of life in different habitats
8/20/2018	634026	Pocket Microscope: Nature Discovery Kit	4-LS1-1	Structure, Function, and Information Processing	Construct an argument that plants and animals have internal and external structures that function to support survival, growth, behavior, and reproduction.
8/20/2018	634026	Pocket Microscope: Nature Discovery Kit	MS-LS1-1	From Molecules to Organisms: Structures and Processes	Conduct an investigation to provide evidence that living things are made of cells; either one cell or many different numbers and types of cells
8/20/2018	625825	Power House (V 2.0)	MS-ESS2-5	Earth's Systems	Collect data to provide evidence for how the motions and complex interactions of air masses result in changes in weather conditions.

8/20/2018	625825	Power House (V 2.0)	MS-ESS2-6	Earth's Systems	Develop and use a model to describe how unequal heating and rotation of the Earth cause patterns of atmospheric and oceanic circulation that determine regional climates
8/20/2018	625825	Power House (V 2.0)	MS-ESS3-3	Earth and Human Activity	Apply scientific principles to design a method for monitoring and minimizing a human impact on the environment
8/20/2018	625825	Power House (V 2.0)	MS-ESS3-4	Earth and Human Activity	Construct an argument supported by evidence for how increases in human population and per-capita consumption of natural resources impact Earth's systems.
8/20/2018	620370	Remote-Control Machines DLX	2-PS1-3	Structure and Properties of Matter	Make observations to construct an evidence-based account of how an object made of a small set of pieces can be disassembled and made into a new object
8/20/2018	620370	Remote-Control Machines DLX	K-2-ETS1-2	K-2.Engineering Design	Develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem
8/20/2018	620370	Remote-Control Machines DLX	3-PS2-1	Forces and Interactions	Plan and conduct an investigation to provide evidence of the effects of balanced and unbalanced forces on the motion of an object
8/20/2018	620370	Remote-Control Machines DLX	3-PS2-2	Forces and Interactions	Make observations and/or measurements of an object's motion to provide evidence that a pattern can be used to predict future motion
8/20/2018	620370	Remote-Control Machines DLX	4-PS3-4	Energy	Apply scientific ideas to design, test, and refine a device that converts energy from one form to another.
8/20/2018	620373	Remote-Control Machines: Animals	2-PS1-3	Structure and Properties of Matter	Make observations to construct an evidence-based account of how an object made of a small set of pieces can be disassembled and made into a new object

8/20/2018	620373	Remote-Control Machines: Animals	K-2-ETS1-2	K-2.Engineering Design	Develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem
8/20/2018	620373	Remote-Control Machines: Animals	3-PS2-1	Forces and Interactions	Plan and conduct an investigation to provide evidence of the effects of balanced and unbalanced forces on the motion of an object
8/20/2018	620373	Remote-Control Machines: Animals	3-PS2-2	Forces and Interactions	Make observations and/or measurements of an object's motion to provide evidence that a pattern can be used to predict future motion
8/20/2018	620373	Remote-Control Machines: Animals	4-PS3-4	Energy	Apply scientific ideas to design, test, and refine a device that converts energy from one form to another.
8/20/2018	620378	Remote-Control Machines: Construction Vehicles	2-PS1-3	Structure and Properties of Matter	Make observations to construct an evidence-based account of how an object made of a small set of pieces can be disassembled and made into a new object
8/20/2018	620378	Remote-Control Machines: Construction Vehicles	K-2-ETS1-2	K-2.Engineering Design	Develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem
8/20/2018	620378	Remote-Control Machines: Construction Vehicles	3-PS2-1	Forces and Interactions	Plan and conduct an investigation to provide evidence of the effects of balanced and unbalanced forces on the motion of an object
8/20/2018	620378	Remote-Control Machines: Construction Vehicles	3-PS2-2	Forces and Interactions	Make observations and/or measurements of an object's motion to provide evidence that a pattern can be used to predict future motion
8/20/2018	620378	Remote-Control Machines: Construction Vehicles	4-PS3-1	Energy	Use evidence to construct an explanation relating the speed of an object to the energy of that object
8/20/2018	620378	Remote-Control Machines: Construction Vehicles	4-PS3-4	Energy	Apply scientific ideas to design, test, and refine a device that converts energy from one form to another.

8/20/2018	620376	Remote-Control Machines: Custom Cars	2-PS1-3	Structure and Properties of Matter	Make observations to construct an evidence-based account of how an object made of a small set of pieces can be disassembled and made into a new object
8/20/2018	620376	Remote-Control Machines: Custom Cars	K-2-ETS1-2	K-2.Engineering Design	Develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem
8/20/2018	620376	Remote-Control Machines: Custom Cars	3-PS2-1	Forces and Interactions	Plan and conduct an investigation to provide evidence of the effects of balanced and unbalanced forces on the motion of an object
8/20/2018	620376	Remote-Control Machines: Custom Cars	3-PS2-2	Forces and Interactions	Make observations and/or measurements of an object's motion to provide evidence that a pattern can be used to predict future motion
8/20/2018	620376	Remote-Control Machines: Custom Cars	4-PS3-1	Energy	Use evidence to construct an explanation relating the speed of an object to the energy of that object
8/20/2018	620376	Remote-Control Machines: Custom Cars	4-PS3-4	Energy	Apply scientific ideas to design, test, and refine a device that converts energy from one form to another.
8/20/2018	620381	Remote-Control Machines: Farm	2-PS1-3	Structure and Properties of Matter	Make observations to construct an evidence-based account of how an object made of a small set of pieces can be disassembled and made into a new object
8/20/2018	620381	Remote-Control Machines: Farm	K-2-ETS1-2	K-2.Engineering Design	Develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem
8/20/2018	620381	Remote-Control Machines: Farm	3-PS2-1	Forces and Interactions	Plan and conduct an investigation to provide evidence of the effects of balanced and unbalanced forces on the motion of an object

8/20/2018	620381	Remote-Control Machines: Farm	3-PS2-2	Forces and Interactions	Make observations and/or measurements of an object's motion to provide evidence that a pattern can be used to predict future motion
8/20/2018	620381	Remote-Control Machines: Farm	4-PS3-1	Energy	Use evidence to construct an explanation relating the speed of an object to the energy of that object
8/20/2018	620381	Remote-Control Machines: Farm	4-PS3-4	Energy	Apply scientific ideas to design, test, and refine a device that converts energy from one form to another.
8/20/2018	620374	Remote-Control Machines: Space Explorers	2-PS1-3	Structure and Properties of Matter	Make observations to construct an evidence-based account of how an object made of a small set of pieces can be disassembled and made into a new object
8/20/2018	620374	Remote-Control Machines: Space Explorers	K-2-ETS1-2	K-2.Engineering Design	Develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem
8/20/2018	620374	Remote-Control Machines: Space Explorers	3-PS2-1	Forces and Interactions	Plan and conduct an investigation to provide evidence of the effects of balanced and unbalanced forces on the motion of an object
8/20/2018	620374	Remote-Control Machines: Space Explorers	3-PS2-2	Forces and Interactions	Make observations and/or measurements of an object's motion to provide evidence that a pattern can be used to predict future motion
8/20/2018	620374	Remote-Control Machines: Space Explorers	4-PS3-1	Energy	Use evidence to construct an explanation relating the speed of an object to the energy of that object
8/20/2018	620374	Remote-Control Machines: Space Explorers	4-PS3-4	Energy	Apply scientific ideas to design, test, and refine a device that converts energy from one form to another.
8/20/2018	567009	Robot Engineer	2-PS1-3	Structure and Properties of Matter	Make observations to construct an evidence-based account of how an object made of a small set of pieces can be disassembled and made into a new object

8/20/2018	567009	Robot Engineer	K-PS2-1	Forces and Interactions: Pushes and Pulls	Plan and conduct an investigation to compare the effects of different strengths or different directions of pushes and pulls on the motion of an object
8/20/2018	628918	Physics Solar Workshop (V 2.0)	2-PS1-3	Structure and Properties of Matter	Make observations to construct an evidence-based account of how an object made of a small set of pieces can be disassembled and made into a new object
8/20/2018	628918	Physics Solar Workshop (V 2.0)	4-PS3-2	Energy	Make observations to provide evidence that energy can be transferred from place to place by sound, light, heat, and electric currents
8/20/2018	628918	Physics Solar Workshop (V 2.0)	4-PS3-4	Energy	Apply scientific ideas to design, test, and refine a device that converts energy from one form to another.
8/20/2018	620377	Robotics Workshop	4-PS3-4	Energy	Apply scientific ideas to design, test, and refine a device that converts energy from one form to another.
8/20/2018	620377	Robotics Workshop	4-LS1-2	Structure, Function, and Information Processing	Use a model to describe that animals receive different types of information through their senses, process the information in their brain, and respond to the information in different ways
8/20/2018	620375	Robotics: Smart Machines	4-PS3-4	Energy	Apply scientific ideas to design, test, and refine a device that converts energy from one form to another.
8/20/2018	620375	Robotics: Smart Machines	4-LS1-2	Structure, Function, and Information Processing	Use a model to describe that animals receive different types of information through their senses, process the information in their brain, and respond to the information in different ways
8/20/2018	620380	Robotics: Smart Machines - Rovers & Vehicles	4-PS3-4	Energy	Apply scientific ideas to design, test, and refine a device that converts energy from one form to another.

8/20/2018	620380	Robotics: Smart Machines - Rovers & Vehicles	4-LS1-2	Structure, Function, and Information Processing	Use a model to describe that animals receive different types of information through their senses, process the information in their brain, and respond to the information in different ways
8/20/2018	550020	Rubber Band Racers	2-PS1-3	Structure and Properties of Matter	Make observations to construct an evidence-based account of how an object made of a small set of pieces can be disassembled and made into a new object
8/20/2018	550020	Rubber Band Racers	3-PS2-1	Forces and Interactions	Plan and conduct an investigation to provide evidence of the effects of balanced and unbalanced forces on the motion of an object
8/20/2018	550020	Rubber Band Racers	3-PS2-2	Forces and Interactions	Make observations and/or measurements of an object's motion to provide evidence that a pattern can be used to predict future motion
8/20/2018	550020	Rubber Band Racers	4-PS3-1	Energy	Use evidence to construct an explanation relating the speed of an object to the energy of that object
8/20/2018	550020	Rubber Band Racers	4-PS3-3	Energy	Ask questions and predict outcomes about the changes in energy that occur when objects collide
8/20/2018	550020	Rubber Band Racers	4-PS3-4	Energy	Apply scientific ideas to design, test, and refine a device that converts energy from one form to another.
8/20/2018	625412	Physics Workshop	2-PS1-3	Structure and Properties of Matter	Make observations to construct an evidence-based account of how an object made of a small set of pieces can be disassembled and made into a new object
8/20/2018	625412	Physics Workshop	K-2-ETS1-2	K-2.Engineering Design	Develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem

8/20/2018	625412	Physics Workshop	K-2-ETS1-3	K-2.Engineering Design	Analyze data from tests of two objects designed to solve the same problem to compare the strengths and weaknesses of how each performs
8/20/2018	625412	Physics Workshop	3-PS2-1	Forces and Interactions	Plan and conduct an investigation to provide evidence of the effects of balanced and unbalanced forces on the motion of an object
8/20/2018	625412	Physics Workshop	3-PS2-2	Forces and Interactions	Make observations and/or measurements of an object's motion to provide evidence that a pattern can be used to predict future motion
8/20/2018	567005	Science Laboratory	K-LS1-1	Interdependent Relationships in Ecosystems: Animals, Plants, and Their Environment	Use observations to describe patterns of what plants and animals (including humans) need to survive.
8/20/2018	567005	Science Laboratory	K-ESS2-2	Interdependent Relationships in Ecosystems: Animals, Plants, and Their Environment	Construct an argument supported by evidence for how plants and animals (including humans) can change the environment to meet their needs.
8/20/2018	567005	Science Laboratory	K-ESS3-1	Interdependent Relationships in Ecosystems: Animals, Plants, and Their Environment	Use a model to represent the relationship between the needs of different plants or animals (including humans) and the places they live
8/20/2018	567005	Science Laboratory	1-LS3-1	Structure, Function, and Information Processing	Make observations to construct an evidence-based account that young plants and animals are like, but not exactly like, their parents
8/20/2018	567005	Science Laboratory	2-PS1-1	Structure and Properties of Matter	Plan and conduct an investigation to describe and classify different kinds of materials by their observable properties.

8/20/2018	567005	Science Laboratory	2-PS1-3	Structure and Properties of Matter	Make observations to construct an evidence-based account of how an object made of a small set of pieces can be disassembled and made into a new object
8/20/2018	567005	Science Laboratory	2-LS4-1	Interdependent Relationships in Ecosystems	Make observations of plants and animals to compare the diversity of life in different habitats
8/20/2018	620486	Sensors Alive: Bring Physics to Life	2-PS1-4	Structure and Properties of Matter	Construct an argument with evidence that some changes caused by heating or cooling can be reversed and some cannot
8/20/2018	620486	Sensors Alive: Bring Physics to Life	MS-PS3-2	Energy	Develop a model to describe that when the arrangement of objects interacting at a distance changes, different amounts of potential energy are stored in the system
8/20/2018	620486	Sensors Alive: Bring Physics to Life	MS-PS3-3	Energy	Apply scientific principles to design, construct, and test a device that either minimizes or maximizes thermal energy transfer.
8/20/2018	620486	Sensors Alive: Bring Physics to Life	MS-PS3-4	Energy	Plan an investigation to determine the relationships among the energy transferred, the type of matter, the mass, and the change in the average kinetic energy of the particles as measured by the temperature of the sample.
8/20/2018	620486	Sensors Alive: Bring Physics to Life	MS-PS3-5	Energy	Construct, use, and present arguments to support the claim that when the kinetic energy of an object changes, energy is transferred to or from the object.
8/20/2018	622411	Solar Boat	2-PS1-2	Structure and Properties of Matter	Analyze data obtained from testing different materials to determine which materials have the properties that are best suited for an intended purpose.*
8/20/2018	622411	Solar Boat	2-PS1-3	Structure and Properties of Matter	Make observations to construct an evidence-based account of how an object made of a small set of pieces can be disassembled and made into a new object

8/20/2018	622411	Solar Boat	K-2-ETS1-1	K-2.Engineering Design	Ask questions, make observations, and gather information about a situation people want to change to define a simple problem that can be solved through the development of a new or improved object or tool
8/20/2018	622411	Solar Boat	K-2-ETS1-2	K-2.Engineering Design	Develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem
8/20/2018	622411	Solar Boat	K-2-ETS1-3	K-2.Engineering Design	Analyze data from tests of two objects designed to solve the same problem to compare the strengths and weaknesses of how each performs
8/20/2018	622411	Solar Boat	4-PS3-2	Energy	Make observations to provide evidence that energy can be transferred from place to place by sound, light, heat, and electric currents
8/20/2018	622411	Solar Boat	4-PS3-1	Energy	Use evidence to construct an explanation relating the speed of an object to the energy of that object
8/20/2018	622411	Solar Boat	4-PS3-4	Energy	Apply scientific ideas to design, test, and refine a device that converts energy from one form to another.
8/20/2018	622817	Solar Car	2-PS1-3	Structure and Properties of Matter	Make observations to construct an evidence-based account of how an object made of a small set of pieces can be disassembled and made into a new object
8/20/2018	622817	Solar Car	K-2-ETS1-1	K-2.Engineering Design	Ask questions, make observations, and gather information about a situation people want to change to define a simple problem that can be solved through the development of a new or improved object or tool

8/20/2018	622817	Solar Car	K-2-ETS1-2	K-2.Engineering Design	Develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem
8/20/2018	622817	Solar Car	K-2-ETS1-3	K-2.Engineering Design	Analyze data from tests of two objects designed to solve the same problem to compare the strengths and weaknesses of how each performs
8/20/2018	622817	Solar Car	4-PS3-1	Energy	Use evidence to construct an explanation relating the speed of an object to the energy of that object
8/20/2018	622817	Solar Car	4-PS3-2	Energy	Make observations to provide evidence that energy can be transferred from place to place by sound, light, heat, and electric currents
8/20/2018	622817	Solar Car	4-PS3-4	Energy	Apply scientific ideas to design, test, and refine a device that converts energy from one form to another.
8/20/2018	665068	Solar Mechanics	2-PS1-3	Structure and Properties of Matter	Make observations to construct an evidence-based account of how an object made of a small set of pieces can be disassembled and made into a new object
8/20/2018	665068	Solar Mechanics	4-PS3-1	Energy	Use evidence to construct an explanation relating the speed of an object to the energy of that object
8/20/2018	665068	Solar Mechanics	K-2-ETS1-1	K-2.Engineering Design	Ask questions, make observations, and gather information about a situation people want to change to define a simple problem that can be solved through the development of a new or improved object or tool
8/20/2018	665068	Solar Mechanics	K-2-ETS1-2	K-2.Engineering Design	Develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem

8/20/2018	665068	Solar Mechanics	K-2-ETS1-3	K-2.Engineering Design	Analyze data from tests of two objects designed to solve the same problem to compare the strengths and weaknesses of how each performs
8/20/2018	665068	Solar Mechanics	4-PS3-2	Energy	Make observations to provide evidence that energy can be transferred from place to place by sound, light, heat, and electric currents
8/20/2018	665068	Solar Mechanics	4-PS3-4	Energy	Apply scientific ideas to design, test, and refine a device that converts energy from one form to another.
8/20/2018	555006	Solar Power	2-PS1-3	Structure and Properties of Matter	Make observations to construct an evidence-based account of how an object made of a small set of pieces can be disassembled and made into a new object
8/20/2018	555006	Solar Power	4-PS3-1	Energy	Use evidence to construct an explanation relating the speed of an object to the energy of that object
8/20/2018	555006	Solar Power	K-2-ETS1-1	K-2.Engineering Design	Ask questions, make observations, and gather information about a situation people want to change to define a simple problem that can be solved through the development of a new or improved object or tool
8/20/2018	555006	Solar Power	K-2-ETS1-2	K-2.Engineering Design	Develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem
8/20/2018	555006	Solar Power	K-2-ETS1-3	K-2.Engineering Design	Analyze data from tests of two objects designed to solve the same problem to compare the strengths and weaknesses of how each performs
8/20/2018	555006	Solar Power	4-PS3-2	Energy	Make observations to provide evidence that energy can be transferred from place to place by sound, light, heat, and electric currents

8/20/2018	555006	Solar Power	4-PS3-4	Energy	Apply scientific ideas to design, test, and refine a device that converts energy from one form to another.
8/20/2018	567001	Stepping into Science	K-LS1-1	Interdependent Relationships in Ecosystems: Animals, Plants, and Their Environment	Use observations to describe patterns of what plants and animals (including humans) need to survive.
8/20/2018	567001	Stepping into Science	K-ESS3-1	Interdependent Relationships in Ecosystems: Animals, Plants, and Their Environment	Use a model to represent the relationship between the needs of different plants or animals (including humans) and the places they live
8/20/2018	567001	Stepping into Science	K-ESS2-1	Weather and Climate	Use and share observations of local weather conditions to describe patterns over time
8/20/2018	567001	Stepping into Science	1-ESS1-1	Space Systems: Patterns and Cycles	Use observations of the sun, moon, and stars to describe patterns that can be predicted.
8/20/2018	567001	Stepping into Science	1-ESS1-2	Space Systems: Patterns and Cycles	Make observations at different times of year to relate the amount of daylight to the time of year
8/20/2018	567001	Stepping into Science	K-2-ETS1-1	K-2.Engineering Design	Ask questions, make observations, and gather information about a situation people want to change to define a simple problem that can be solved through the development of a new or improved object or tool
8/20/2018	567001	Stepping into Science	K-2-ETS1-2	K-2.Engineering Design	Develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem
8/20/2018	625414	Structural Engineering: Bridges & Skyscrapers	2-PS1-1	Structure and Properties of Matter	Plan and conduct an investigation to describe and classify different kinds of materials by their observable properties.

8/20/2018	625414	Structural Engineering: Bridges & Skyscrapers	2-PS1-2	Structure and Properties of Matter	Analyze data obtained from testing different materials to determine which materials have the properties that are best suited for an intended purpose.*
8/20/2018	625414	Structural Engineering: Bridges & Skyscrapers	2-PS1-3	Structure and Properties of Matter	Make observations to construct an evidence-based account of how an object made of a small set of pieces can be disassembled and made into a new object
8/20/2018	625414	Structural Engineering: Bridges & Skyscrapers	K-2-ETS1-2	K-2.Engineering Design	Develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem
8/20/2018	625414	Structural Engineering: Bridges & Skyscrapers	K-2-ETS1-3	K-2.Engineering Design	Analyze data from tests of two objects designed to solve the same problem to compare the strengths and weaknesses of how each performs
8/20/2018	625414	Structural Engineering: Bridges & Skyscrapers	3-PS2-1	Forces and Interactions	Plan and conduct an investigation to provide evidence of the effects of balanced and unbalanced forces on the motion of an object
8/20/2018	625414	Structural Engineering: Bridges & Skyscrapers	3-5-ETS1-1	Engineering Design	Define a simple design problem reflecting a need or a want that includes specified criteria for success and constraints on materials, time, or cost
8/20/2018	625414	Structural Engineering: Bridges & Skyscrapers	3-5-ETS1-2	Engineering Design	Generate and compare multiple possible solutions to a problem based on how well each is likely to meet the criteria and constraints of the problem.
8/20/2018	625414	Structural Engineering: Bridges & Skyscrapers	3-5-ETS1-3	Engineering Design	Plan and carry out fair tests in which variables are controlled and failure points are considered to identify aspects of a model or prototype that can be improved.
8/20/2018	628154	The Big Engineering Makerspace	2-PS1-3	Structure and Properties of Matter	Make observations to construct an evidence-based account of how an object made of a small set of pieces can be disassembled and made into a new object

8/20/2018	628154	The Big Engineering Makerspace	K-2-ETS1-1	K-2.Engineering Design	Ask questions, make observations, and gather information about a situation people want to change to define a simple problem that can be solved through the development of a new or improved object or tool
8/20/2018	628154	The Big Engineering Makerspace	K-2-ETS1-2	K-2.Engineering Design	Develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem
8/20/2018	628154	The Big Engineering Makerspace	K-2-ETS1-3	K-2.Engineering Design	Analyze data from tests of two objects designed to solve the same problem to compare the strengths and weaknesses of how each performs
8/20/2018	628154	The Big Engineering Makerspace	3-PS2-1	Forces and Interactions	Plan and conduct an investigation to provide evidence of the effects of balanced and unbalanced forces on the motion of an object
8/20/2018	628154	The Big Engineering Makerspace	3-PS2-2	Forces and Interactions	Make observations and/or measurements of an object's motion to provide evidence that a pattern can be used to predict future motion
8/20/2018	628154	The Big Engineering Makerspace	4-PS3-1	Energy	Use evidence to construct an explanation relating the speed of an object to the energy of that object
8/20/2018	628154	The Big Engineering Makerspace	4-PS3-4	Energy	Apply scientific ideas to design, test, and refine a device that converts energy from one form to another.
8/20/2018	567003	The Human Body	K-LS1-1	Interdependent Relationships in Ecosystems: Animals, Plants, and Their Environment	Use observations to describe patterns of what plants and animals (including humans) need to survive.

8/20/2018	567003	The Human Body	1-LS1-1	Structure, Function, and Information Processing	Use materials to design a solution to a human problem by mimicking how plants and/or animals use their external parts to help them survive, grow, and meet their needs.*
8/20/2018	567003	The Human Body	1-LS3-1	Structure, Function, and Information Processing	Make observations to construct an evidence-based account that young plants and animals are like, but not exactly like, their parents
8/20/2018	567003	The Human Body	1-PS4-1	Waves: Light and Sound	Plan and conduct investigations to provide evidence that vibrating materials can make sound and that sound can make materials vibrate
8/20/2018	636815	TK2 Scope	4-LS1-1	Structure, Function, and Information Processing	Construct an argument that plants and animals have internal and external structures that function to support survival, growth, behavior, and reproduction.
8/20/2018	636815	TK2 Scope	5-LS1-1	From Molecules to Organisms: Structures and Processes	Support an argument that plants get the materials they need for growth chiefly from air and water.
8/20/2018	636815	TK2 Scope	MS-LS1-1	From Molecules to Organisms: Structures and Processes	Conduct an investigation to provide evidence that living things are made of cells; either one cell or many different numbers and types of cells
8/20/2018	636815	TK2 Scope	MS-LS1-3	From Molecules to Organisms: Structures and Processes	Use argument supported by evidence for how the body is a system of interacting subsystems composed of groups of cells
8/20/2018	636815	TK2 Scope	MS-LS1-6	From Molecules to Organisms: Structures and Processes	Construct a scientific explanation based on evidence for the role of photosynthesis in the cycling of matter and flow of energy into and out of organisms

8/20/2018	635602	TKx400i Dual-LED Microscope	4-LS1-1	Structure, Function, and Information Processing	Construct an argument that plants and animals have internal and external structures that function to support survival, growth, behavior, and reproduction.
8/20/2018	635602	TKx400i Dual-LED Microscope	5-LS1-1	From Molecules to Organisms: Structures and Processes	Support an argument that plants get the materials they need for growth chiefly from air and water.
8/20/2018	635602	TKx400i Dual-LED Microscope	MS-LS1-1	From Molecules to Organisms: Structures and Processes	Conduct an investigation to provide evidence that living things are made of cells; either one cell or many different numbers and types of cells
8/20/2018	635602	TKx400i Dual-LED Microscope	MS-LS1-3	From Molecules to Organisms: Structures and Processes	Use argument supported by evidence for how the body is a system of interacting subsystems composed of groups of cells
8/20/2018	635602	TKx400i Dual-LED Microscope	MS-LS1-6	From Molecules to Organisms: Structures and Processes	Construct a scientific explanation based on evidence for the role of photosynthesis in the cycling of matter and flow of energy into and out of organisms
8/20/2018	550014	Ultralight Airplanes	2-PS1-3	Structure and Properties of Matter	Make observations to construct an evidence-based account of how an object made of a small set of pieces can be disassembled and made into a new object
8/20/2018	550014	Ultralight Airplanes	K-2-ETS1-2	K-2.Engineering Design	Develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem
8/20/2018	550014	Ultralight Airplanes	K-2-ETS1-3	K-2.Engineering Design	Analyze data from tests of two objects designed to solve the same problem to compare the strengths and weaknesses of how each performs
8/20/2018	550014	Ultralight Airplanes	3-PS2-2	Forces and Interactions	Make observations and/or measurements of an object’s motion to provide evidence that a pattern can be used to predict future motion

8/20/2018	550014	Ultralight Airplanes	4-PS3-1	Energy	Use evidence to construct an explanation relating the speed of an object to the energy of that object
8/20/2018	665081	Volcanoes & Earthquakes	4-ESS2-2	Earth's Systems	Analyze and interpret data from maps to describe patterns of Earth's features.
8/20/2018	627928	Wind Power (V 3.0)	2-PS1-3	Structure and Properties of Matter	Make observations to construct an evidence-based account of how an object made of a small set of pieces can be disassembled and made into a new object
8/20/2018	627928	Wind Power (V 3.0)	K-2-ETS1-2	K-2.Engineering Design	Develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem
8/20/2018	627928	Wind Power (V 3.0)	4-PS3-1	Energy	Use evidence to construct an explanation relating the speed of an object to the energy of that object
8/20/2018	627928	Wind Power (V 3.0)	4-PS3-4	Energy	Apply scientific ideas to design, test, and refine a device that converts energy from one form to another.
8/20/2018	627928	Wind Power (V 3.0)	4-ESS3-1	Earth and Human Activity	Obtain and combine information to describe that energy and fuels are derived from natural resources and that their uses affect the environment
8/20/2018	555002	Wind Power 2.0	2-PS1-3	Structure and Properties of Matter	Make observations to construct an evidence-based account of how an object made of a small set of pieces can be disassembled and made into a new object
8/20/2018	555002	Wind Power 2.0	K-2-ETS1-2	K-2.Engineering Design	Develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem
8/20/2018	555002	Wind Power 2.0	4-PS3-1	Energy	Use evidence to construct an explanation relating the speed of an object to the energy of that object

8/20/2018	555002	Wind Power 2.0	4-PS3-4	Energy	Apply scientific ideas to design, test, and refine a device that converts energy from one form to another.
8/20/2018	555002	Wind Power 2.0	4-ESS3-1	Earth and Human Activity	Obtain and combine information to describe that energy and fuels are derived from natural resources and that their uses affect the environment