

STRAND	STANDARD	OBJECTIVES (What it looks like in the classroom) The learner will í	# OF DAYS NEEDED FOR MASTERY	DATES TAUGHT	DATE ASSESSED	ASSESSMENT TYPE (classroom, STAR, objective, subjective, project, etc.)	RESOURCES (Materials, web sites, auto-visual, print)	LEARNING ACTIVITIES AND VOCABULARY
Inquiry	8.1.1a-8.1.1j	Students will design and conduct investigations that will lead to descriptions of relationships between evidence and explanations.		Mar-Apr	Apr-May	Classroom Project Rubric Grades Formative Summative Assessment	Teaching the Scientific Method by Millie Blandford, videos, graphic organizers, lab equipment	Classroom Labs, Website Activities, Physical Science by Pamela Jennett Create an experiment using the scientific method to be presented in the classroom formulating and testing a hypothesis.
Inquiry		List the five steps of the scientific method and explain their purpose.		Mar-Apr	Apr-May	Classroom Project Rubric Grades Formative Summative Assessment	Teaching the Scientific Method by Millie Blandford, videos, graphic organizers, lab equipment	Classroom Labs, Website Activities, Physical Science by Pamela Jennett

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Inquiry		Identify and explain the use of lab equipment.		Mar-Apr	Apr-May	Classroom Project Rubric Grades Formative Summative Assessment	Teaching the Scientific Method by Millie Blandford, videos, graphic organizers, lab equipment	Classroom Labs, Website Activities, Physical Science by Pamela Jennett,
Physical Science Matter	8.2.1.a	Compare and contrast elements, compounds, and mixtures		Jan-Feb	Feb	Classroom Objective Summative Formative Grade	Websites Textbook Videos Physical Science by Pamela Jennett	Classroom Labs Graphic Organizers/Notes Explain how compounds, mixtures and elements are formed. Classroom Jeopardy, Internet
Physical Science Matter	8.2.1.b	Describe physical and chemical properties of matter		Jan-Feb	Feb	Classroom Objective Summative Formative Grade	Websites Textbook Videos Physical Science by Pamela Jennett	Classroom Labs Websites Graphic Organizers/Notes Discuss, list, and observe physical and chemical properties and phases of matter. Jeopardy

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Physical Science Matter	8.2.1.c	Recognize most substances can exist as a solid, liquid, or gas depending on temperature		Jan-Feb	Feb	Classroom Objective Project Rubric	Websites Textbook Videos Physical Science by Pamela Jennett	Model atom Websites Classroom Labs Graphic Organizers/Notes Demonstrate the structure of an atom, and Create a model of the atom Jeopardy, Internet
Physical Science Matter	8.2.1.d	Compare and contrast solids, liquids, and gases based on properties of these states of matter		Jan-Feb	Feb	Classroom Project Rubric	Websites Textbook Videos Physical Science by Pamela Jennett	Life Size Periodic Table Display understanding of the Periodic Table by reproducing a periodic table.

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Physical Science Matter	8.2.1.e	Distinguish between physical and chemical changes (phase changes, dissolving, burning, rusting)		Jan-Feb	Feb	Classroom Project Rubric Grades Formative Summative Assessment	Teaching the Scientific Method by Millie Blandford, videos, graphic organizers, lab equipment Physical Science by Pamela Jennett websites	Physical Science by Pamela Jennett Websites Physical & Chemical Changes
Physical Science Matter	8.2.1.f	Recognize conservation of matter in physical and chemical changes		Jan-Feb	Feb	Classroom Project Rubric Grades Formative Summative Assessment	Teaching the Scientific Method by Millie Blandford, videos, graphic organizers, lab equipment Physical Science by Pamela Jennett websites	Physical Science by Pamela Jennett Websites Physical & Chemical Changes

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Physical Science Matter	8.2.1.g	Classify substances into similar groups based on physical properties		Jan-Feb	Feb	Classroom Project Rubric Grades Formative Summative Assessment	Teaching the Scientific Method by Millie Blandford, videos, graphic organizers, lab equipment Physical Science by Pamela Jennett websites	Physical Science by Pamela Jennett Websites Physical & Chemical Changes
Physical Science Motion	8.2.2.a	Describe motion of an object by its position and velocity		Nov-Dec	Dec	Classroom Project Rubric Grades Formative Summative Assessment	Books, videos, graphic organizers, lab equipment Physical Science by Pamela Jennett websites	Marble Mazes Jeopardy, Google, Labs, Velocity, Acceleration, Lunar Lander, Websites, Graphic Organizers/Notes
Physical Science Motion	8.2.2.b	Recognize an object that is not being subjected to a force will continue to move at a constant speed in a straight line or stay at rest (Newton's 1 st law)		Nov-Dec	Dec	Classroom Project Rubric Grades Formative Summative Assessment	Books, videos, graphic organizers, lab equipment Physical Science by Pamela Jennett websites	Marble Mazes Jeopardy, Google, Labs, Velocity, Acceleration, Lunar Lander, Websites, Graphic Organizers/Notes

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Physical Science Motion	8.2.2.c	Compare the motion of object related to the effects of balanced and unbalanced forces		Nov-Dec	Dec	Classroom Project Rubric Grades Formative Summative Assessment	Books, videos, graphic organizers, lab equipment Physical Science by Pamela Jennett websites	Marble Mazes Jeopardy, Google, Labs, Velocity, Acceleration, Lunar Lander, Websites, Graphic Organizers/Notes
Physical Science Motion	8.2.2.d	Recognize that everything on or around Earth is pulled towards Earth's center by gravitational force		Nov-Dec	Dec	Classroom Project Rubric Grades Formative Summative Assessment	Books, videos, graphic organizers, lab equipment Physical Science by Pamela Jennett websites	Marble Mazes Jeopardy, Google, Labs, Velocity, Acceleration, Lunar Lander, Websites, Graphic Organizers/Notes,
Physical Science Energy	8.2.3.a	Recognize that vibrations set up wave-like disturbances that spread away from the source (sound, seismic, water waves)		Aug-Oct	Oct	Classroom Project Rubric Grades Formative Summative Assessment	Books, videos, graphic organizers, lab equipment Physical Science by Pamela Jennett websites	Energy Labs, Graphic Organizers/Notes Guest Speakers, Marker Board, Solar Ovens, Jeopardy, Google, Websites, Edmodo

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Physical Science Energy	8.2.3.b	Identify that waves move at different speeds in different materials		Aug-Oct	Oct	Classroom Project Rubric Grades Formative Summative Assessment	Books, videos, graphic organizers, lab equipment Physical Science by Pamela Jennett websites	Energy Labs, Graphic Organizers/Notes Guest Speakers, Marker Board, Solar Ovens, Jeopardy, Google, Websites, Edmodo
Physical Science Energy	8.2.3.c	Recognize that light interacts with matter by transmission (including refraction), absorption, or scattering (including reflection)		Aug-Oct	Oct	Classroom Project Rubric Grades Formative Summative Assessment	Books, videos, graphic organizers, lab equipment Physical Science by Pamela Jennett websites	Energy Labs, Graphic Organizers/Notes Guest Speakers, Marker Board, Solar Ovens, Jeopardy, Google, Websites, Edmodo
Physical Science Energy	8.2.3.d	Recognize that to see an object, light from the surface of the object must enter the eye; the color seen depends on the properties of the surface and the color of the available light sources		Aug-Oct	Oct	Classroom Project Rubric Grades Formative Summative Assessment	Books, videos, graphic organizers, lab equipment Physical Science by Pamela Jennett websites	Energy Labs, Graphic Organizers/Notes Guest Speakers, Marker Board, Solar Ovens, Jeopardy, Google, Websites, Edmodo

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Physical Science Energy	8.2.3.e	Recognize that heat moves from warmer objects to cooler objects until both reach the same temperature		Aug-Oct	Oct	Classroom Project Rubric Grades Formative Summative Assessment	Books, videos, graphic organizers, lab equipment Physical Science by Pamela Jennett websites	Energy Labs, Graphic Organizers/Notes Guest Speakers, Marker Board, Solar Ovens, Jeopardy, Google, Websites, Edmodo
Physical Science Energy	8.2.3.f	Describe transfer of energy from electrical and magnetic sources to different energy forms (heat, light, sound, chemical)		Aug-Oct	Oct	Classroom Project Rubric Grades Formative Summative Assessment	Books, videos, graphic organizers, lab equipment Physical Science by Pamela Jennett websites	Energy Labs, Graphic Organizers/Notes Guest Speakers, Marker Board, Solar Ovens, Jeopardy, Google, Websites, Edmodo
Physical Science Energy	8.2.3.g	Recognize all energy is neither created nor destroyed		Aug-Oct	Oct	Classroom Project Rubric Grades Formative Summative Assessment	Books, videos, graphic organizers, lab equipment Physical Science by Pamela Jennett websites	Energy Labs, Graphic Organizers/Notes Guest Speakers, Marker Board, Solar Ovens, Jeopardy, Google, Websites, Edmodo

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