

Worth County Elementary School
 Fifth Grade 3rd Nine Weeks
 Science Pacing Guide
 2022-2023

Week	Dates	Unit Topic	GSE Standard	Overview of lessons taught
1	1/4 - 1/13	Energy Transfer through Electricity and Magnetism Magnetism	S5P3a Obtain, evaluate, and communicate information about magnetism and its relationship to electricity. S5P3b Obtain, evaluate, and communicate information about magnetism and its relationship to electricity.	<ul style="list-style-type: none"> ● Construct an argument based on experimental evidence to communicate the differences in function and purpose of an electromagnet and a magnet. (Function is limited to understanding temporary and permanent magnetism.) ● Plan and carry out an investigation to observe the interaction between a magnetic field and a magnetic object. (The interaction should include placing materials of various types and thickness between the magnet and the magnetic object.)
2	1/16- 1/20	Energy Transfer through Electricity and Magnetism Magnetism	S5P3a Obtain, evaluate, and communicate information about magnetism and its relationship to electricity. S5P3b Obtain, evaluate, and communicate information about magnetism and its relationship to electricity.	<ul style="list-style-type: none"> ● Construct an argument based on experimental evidence to communicate the differences in function and purpose of an electromagnet and a magnet. (Function is limited to understanding temporary and permanent magnetism.) ● Plan and carry out an investigation to observe the interaction between a magnetic field and a magnetic object. (The interaction should include placing materials of various types and thickness between the magnet and the magnetic object.)

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3	1/23 - 1/27 3A 1/25 Common Assessment	Energy Transfer through Electricity and Magnetism Magnetism	S5P3a Obtain, evaluate, and communicate information about magnetism and its relationship to electricity. S5P3b Obtain, evaluate, and communicate information about magnetism and its relationship to electricity.	<ul style="list-style-type: none"> • Construct an argument based on experimental evidence to communicate the differences in function and purpose of an electromagnet and a magnet. (Function is limited to understanding temporary and permanent magnetism.) • Plan and carry out an investigation to observe the interaction between a magnetic field and a magnetic object. (The interaction should include placing materials of various types and thickness between the magnet and the magnetic object.)
4	1/30 - 2/3	Energy Transfer through Electricity and Magnetism Electricity	S5P2a Obtain, evaluate, and communicate information in investigating electricity.	<ul style="list-style-type: none"> • Obtain and combine information from multiple sources to explain the difference between naturally occurring electricity (static) and human-harnessed electricity.
5	2/6 - 2/10	Energy Transfer through Electricity and Magnetism Electricity	S5P2b Obtain, evaluate, and communicate information in investigating electricity.	<ul style="list-style-type: none"> • Design a complete, simple electric circuit, and explain all necessary components.

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6	2/13 - 2/17	Energy Transfer through Electricity and Magnetism Electricity	S5P2c Obtain, evaluate, and communicate information in investigating electricity.	<ul style="list-style-type: none"> Plan and carry out investigations on common materials to determine if they are insulators or conductors of electricity.
7	2/20 - 2/24	Energy Transfer through Electricity and Magnetism Electricity	S5P2c Obtain, evaluate, and communicate information in investigating electricity.	<ul style="list-style-type: none"> Plan and carry out investigations on common materials to determine if they are insulators or conductors of electricity.
8	2/27 - 3/3 3B 2/28 Common Assessment	Physical and Chemical Changes Physical and Chemical Changes	S5P1a Obtain, evaluate, and communicate information to explain the difference between a physical change and a chemical change.	<ul style="list-style-type: none"> Plan and carry out investigations of physical changes by manipulating, separating, and mixing dry and liquid materials. Construct an argument based on observations to support a claim that the physical changes in the state of water are due to temperature changes, which cause small particles that cannot be seen to move differently.
9	3/6 - 3/10	Physical and Chemical Changes Chemical Changes	S5P1b, c Obtain, evaluate, and communicate information to explain the differences between a physical change and a chemical change.	<ul style="list-style-type: none"> Construct an argument based on observations to support a claim that the physical changes in the state of water are due to temperature changes, which cause small particles that cannot be seen to move differently. Plan and carry out an investigation to determine if a chemical change

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				occurred based on observable evidence (color, gas, temperature change, odor, a new substance produced).
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