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| Monday | January 28, 2019 |
| MS-PS3-4: 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. |
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| **Content****Objective** | Students will investigate the phenomena of how a lake might have different temperature at different depths by suggesting at least one idea with a partner. |
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| **Language****Objective** | Students will write to describe their investigation of the phenomena of how a lake might have different temperature at different depths by suggesting at least one idea. |
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| **Phenomena** | **Connecting Vocabulary** | **Connecting Vocabulary** |
| Why is the shallow water of a lake warmer than the deeper water below it?  | HeatMassTemperature | MechanicalElectricalLightSoundThermalKineticSolid Liquid Gas |

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| Tuesday  | January 29, 2019 |
| MS-PS3-4: 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. |
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| **Content****Objective** | Students will access prior knowledge by examining 2 sets of illustrations to decide which substance will reach room temperature first. All answers will be accepted as formative assessment to see where the student is prior to teaching.  |
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| **Language****Objective** | Students will write to describe their prior knowledge by examining 2 sets of illustrations to decide which substance will reach room temperature first. All answers will be accepted as formative assessment to see where the student is prior to teaching. |
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| **Phenomena** | **Connecting Vocabulary** | **Connecting Vocabulary** |
| Why is the shallow water of a lake warmer than the deeper water below it?  | HeatMassTemperature | MechanicalElectricalLightSoundThermalKineticSolid Liquid Gas |

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| Wednesday  | January 30, 2019 |
| MS-PS3-4: 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. |
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| **Content****Objective** | Students will hypothesize the temperature change of their skin due to thermal energy transfer. All answers will be accepted as formative assessment to see where the student is prior to teaching. |
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| **Language****Objective** | Students will write to describe their hypothesis about the temperature change of their skin due to thermal energy transfer. All answers will be accepted as formative assessment to see where the student is prior to teaching. |
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| **Phenomena** | **Connecting Vocabulary** | **Connecting Vocabulary** |
| Why is the shallow water of a lake warmer than the deeper water below it?  | HeatMassTemperature | MechanicalElectricalLightSoundThermalKineticSolid Liquid Gas |

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| Thursday  | January 31, 2019 |
| MS-PS3-4: 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. |
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| **Content****Objective** | Students will read to analyze concepts concerning energy transfer and temperature as demonstrated by completing their main idea concept graphic organizer with the main idea and at least 1 detail for each section in their article.  |
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| **Language****Objective** | Students will write to describe concepts concerning energy transfer and temperature as demonstrated by completing their main idea concept graphic organizer with the main idea and at least 1 detail for each section in their article. |
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| **Phenomena** | **Connecting Vocabulary** | **Connecting Vocabulary** |
| Why is the shallow water of a lake warmer than the deeper water below it?  | HeatMassTemperature | MechanicalElectricalLightSoundThermalKineticSolid Liquid Gas |

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| Friday  | February 1, 2019 |
| MS-PS3-4: 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. |
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| **Content****Objective** | Students will explore connections and applications of science content through interactions with authentic real-world media provided by Associated Press and answer guiding questions. All answers will be accepted as this is to spark the imagination. |
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| **Language****Objective** | Students will write to describe connections and applications of science content through interactions with authentic real-world media provided by Associated Press and answer guiding questions. All answers will be accepted as this is to spark the imagination. |
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| **Phenomena** | **Connecting Vocabulary** | **Connecting Vocabulary** |
| Why is the shallow water of a lake warmer than the deeper water below it?  | HeatMassTemperature | MechanicalElectricalLightSoundThermalKineticSolid Liquid Gas |