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| Monday | January 7th, 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** | NWEA |
|  |  |
| **Language****Objective** |  |
|  |  |
| **Phenomena** | **Connecting Vocabulary** | **Connecting Vocabulary** |
| What type of cup would keep my coffee the hottest?  | SystemTemperature | ConductorConductionConvectionEnergy Heat TransferKinetic EnergyMatterStatesThermal Energy |

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| Tuesday | January 8th, 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** | NWEA |
|  |  |
| **Language****Objective** |  |
|  |  |
| **Phenomena** | **Connecting Vocabulary** | **Connecting Vocabulary** |
| What type of cup would keep my coffee the hottest?  | SystemTemperature | ConductorConductionConvectionEnergy Heat TransferKinetic EnergyMatterStatesThermal Energy |

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| Wednesday | January 9th, 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** | I can explore energy transfer in a study of a group of containers made of different materials and share at least one idea about how long it will take ice water to reach room temperature in each. |
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| **Language****Objective** | I can write to describe at least one idea about how long it will take ice water to reach room temperature in each container. |
|  |  |
| **Phenomena** | **Connecting Vocabulary** | **Connecting Vocabulary** |
| What type of cup would keep my coffee the hottest?  | SystemTemperature | ConductorConductionConvectionEnergy Heat TransferKinetic EnergyMatterStatesThermal Energy |

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| Thursday | January 10th, 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** | I can explore thermal energy transfer by at least one observation of the effects of an ice cube melting in my hands. |
|  |  |
| **Language****Objective** | I can write to describe at least one observation of the effects of an ice cube melting in my hands. |
|  |  |
| **Phenomena** | **Connecting Vocabulary** | **Connecting Vocabulary** |
| What type of cup would keep my coffee the hottest?  | SystemTemperature | ConductorConductionConvectionEnergy Heat TransferKinetic EnergyMatterStatesThermal Energy |

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| Friday | January 11th, 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.  |
|  |  |
| **Content****Objective** | I can explore 3 types of thermal energy transfer by using 3 experiments and making at least one observation.  |
|  |  |
| **Language****Objective** | I can write to describe 3 types of thermal energy transfer by using 3 experiments and making at least one observation.  |
|  |  |
| **Phenomena** | **Connecting Vocabulary** | **Connecting Vocabulary** |
| What type of cup would keep my coffee the hottest?  | SystemTemperature | ConductorConductionConvectionEnergy Heat TransferKinetic EnergyMatterStatesThermal Energy |