

Name: Kevin Woolridge		Grading Quarter: Q2	Week Beginning: W16
School Year: 2023		Subject: Conceptual Physics and Engineering	
Monday	Notes:	<p>Objective: Students will demonstrate understanding of physics concepts of conservation of Heat, Temperature, and Expansion, Heat Transfer, Heat Radiation Heat conduction, including, Temperature and heat are distinguished from each other. The expansion of solids, liquids, and gases. Specific heat capacity leads to the physics of a freezing lake. And radiation is related to Newton's law of cooling. With 80% accuracy aw evidenced by completion of thermal physics exam.</p> <p>Lesson Overview.</p> <ul style="list-style-type: none"> • <i>Introduction of Thermal physics, solar cooker project</i> • Hewitt video, Heat tramnsfer: Conduction is related to many everyday examples and is demonstrated by boiling water under a variety of conditions. Convection is shown with a pressure cooker. Radiation is related to Newton's law of cooling. 	<p>HS-PS3-4</p> <p>Plan and conduct an investigation to provide evidence that the transfer of thermal energy when two components of different temperature are combined within a closed system results in a more uniform energy distribution among the components in the system (second law of thermodynamics).</p>
Tuesday	Notes:	<p>Objective: Students will demonstrate understanding of physics concepts of conservation of Heat, Temperature, and Expansion, Heat Transfer, Heat Radiation Heat conduction, including, Temperature and heat are distinguished from each other. The expansion of solids, liquids, and gases. Specific heat capacity leads to the physics of a freezing lake. And radiation is related to Newton's law of cooling. With 80% accuracy aw evidenced by completion of thermal physics exam.</p> <p>Lesson Overview.</p> <ul style="list-style-type: none"> • <i>Introduction of Thermal physics, solar cooker project.</i> • Hewitt video, Heat radiation: The temperature dependence of radiation frequencies are related to the greenhouse effect. The way in which sunlight spreads differently over parts of the earth helps explain the warmth of the equatorial regions and coolness of polar regions. 	<p>HS-PS3-4</p> <p>Plan and conduct an investigation to provide evidence that the transfer of thermal energy when two components of different temperature are combined within a closed system results in a more uniform energy distribution among the components in the system (second law of thermodynamics).</p>
Wednesday	Notes:	NO School, Thanksgiving break	
Thursday	Notes:	NO School, Thanksgiving break	

Friday	Notes:	NO School, Thanksgiving break	
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