| Name: | | Grading Quarter: | Week Beginning: | | |
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| Kevin Woolridge | | Q2 | W17 | | |
| School Year: 2023 | | | Subject: Conceptual Physics and Engineering | | |
| Monday | Notes: | Objective: Student concepts of conset Heat Transfer, Heat Temperature and expansion of solid to the physics of a Newton's law of co completion of the Lesson Overview. • Presentati 15_Tempe cover Con Cooling, G | ts will demonstrate understanding of physics rvation of Heat, Temperature, and Expansion, at Radiation Heat conduction, including, heat are distinguished from each other. The s, liquids, and gases. Specific heat capacity leads freezing lake. And radiation is related to ooling. With 80% accuracy as evidenced by rmal physics exam. ion/Lecture and notes, Chapter erature, Heat, and Expansion. This lecture will duction, Convection, Radiation, Newton's Law of ilobal Warming and Greenhouse Effect. working on <i>solar cooker project</i> . | | HS-PS3-4 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). |
| Tuesday | Notes: | Objective: Student concepts of conset Heat Transfer, Heat Temperature and expansion of solid to the physics of a Newton's law of co completion of the Lesson Overview. • Presentati This lectur Capacity, a • Continue v | ts will demonstrate undervation of Heat, Tempera at Radiation Heat conduct heat are distinguished fro s, liquids, and gases. Spect freezing lake. And radiat coling. With 80% accurace rmal physics exam. on/Lecture and notes, Ch re will cover Temperature and Thermal Expansion. working on <i>solar cooker p</i> | rstanding of physics iture, and Expansion, tion, including, om each other. The cific heat capacity leads tion is related to by as evidenced by hapter 16 Heat transfer. e, Heat, Specific Heat | HS-PS3-4 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). |
| Wednesday | Notes: | Objective: Student concepts of conset Heat Transfer, Heat Temperature and expansion of solid to the physics of a Newton's law of co completion of the Lesson Overview. • Presentati Thermody Absolute Z Thermody the First La Tends to D Continue V | ts will demonstrate undervation of Heat, Tempera at Radiation Heat conduct heat are distinguished fro s, liquids, and gases. Spec freezing lake. And radiat coling. With 80% accurace rmal physics exam. on/Lecture and notes, Ch namics. This lecture will dero, Internal Energy, First namics, Adiabatic Proces aw, Second Law of Therm Disorder, Entropy. working on <i>solar cooker p</i> | rstanding of physics iture, and Expansion, tion, including, om each other. The cific heat capacity leads tion is related to ty as evidenced by hapter 17 cover Thermodynamics, st Law of tses, Meteorology and hodynamics, Order | HS-PS3-4 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). |

| Thursday | Notes: | 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 | HS-PS3-4 Plan and conduct an investigation to provide evidence that the transfer of thermal energy when |
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| | | Newton's law of cooling. With 80% accuracy as evidenced by completion of thermal physics exam. Lesson Overview. Hewitt video, Change of phase. Heat: Change of State The concepts of evaporation and condensation are contrasted. The energy transfer that accompanies changes of state is related to everyday examples. Continue working on <i>solar cooker project.</i> | 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). |
| Friday | Notes: | 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 as evidenced by completion of thermal physics exam. Lesson Overview. Solar oven Prototype test day. Students will collect data using a table and graph to assess the function of solar ovens over an hour of cooking time. Iterate as needed to build a successful oven capable of backing a cookie within the allotted class time. Continue working on <i>solar cooker project</i>. | HS-PS3-4 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). |