Needwood Middle School
2024-2025
Daily Agenda/Lesson Plan

Teacher(s): Gainous/Pruitt	Date: 11/18/2024
Standards:	S8P2. Obtain, evaluate, and communicate information about the law of conservation of energy to develop arguments that energy can transform from one form to another within a System D.Plan and carry out investigations on the effects of heat transfer on molecular motion as it relates to the collision of atoms (conduction), through space (radiation), or in currents in a liquid or a gas (convection).
Learning Target:	I am learning how thermal energy is transferred through matter or empty space and how to keep heat from flowing, and explain what happens to particle motion when energy is added or removed from matter.
Success Criteria:	• Define thermal energy (heat) • Describe the speed, energy, and distance of particles when energy is added or removed. • List the 3 forms of heat and define each with one word • Describe how thermal energy moves through materials • Define conductors and insulators • Describe how thermal energy moves through liquid and gasses and empty space
Activity(ies)/Assignment with Text and/or Links:	Make Up Day - Finish projects - Complete makeup work - Complete extra credit

Teacher(s): Gainous/Pruitt	Date: 11/19/2024
Standards:	S8P2. Obtain, evaluate, and communicate information about the law of conservation of energy to develop arguments that energy can transform from one form to another within a System D.Plan and carry out investigations on the effects of heat transfer on molecular motion as it relates to the collision of atoms (conduction), through space (radiation), or in currents in a liquid or a gas (convection).
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Activity(ies)/Assignment with Text and/or Links:	Review definition of thermal energy Whole group review of states of matter States of matter notes & check for understanding

Teacher(s): Gainous/Pruitt	Date: 11/20/2024
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Activity(ies)/Assignment with Text and/or Links:	Kesler Input Stations - Conduction, Convection, and Radiation

Teacher(s): Gainous/Pruitt	Date: 11/21/2024
Standards:	S8P2. Obtain, evaluate, and communicate information about the law of conservation of energy to develop arguments that energy can transform from one form to another within a System D.Plan and carry out investigations on the effects of heat transfer on molecular motion as it relates to the collision of atoms (conduction), through space (radiation), or in currents in a liquid or a gas (convection).
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Activity(ies)/Assignment with Text and/or Links:	Conduction, Convection, and Radiation Notes Teacher Demonstrations

Teacher(s): Gainous/Pruitt	Date: 11/22/2024
Standards:	S8P2. Obtain, evaluate, and communicate information about the law of conservation of energy to develop arguments that energy can transform from one form to another within a System D.Plan and carry out investigations on the effects of heat transfer on molecular motion as it relates to the collision of atoms (conduction), through space (radiation), or in currents in a liquid or a gas (convection).
Learning Target:	I am learning how thermal energy is transferred through matter or empty space and how to keep heat from flowing, and explain what happens to particle motion when energy is added or removed from matter.
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Activity(ies)/Assignment with Text and/or Links:	Heat Transfer Gizmo or Phet Lab (tbd)