

Crisp Workshop Lesson Plan
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Unit of Study: Heat/Energy
Classroom: Science Lab
Number Students: 17
Grade Level: 9th grade

1. **Teachers Objectives for the class:** TSWBAT distinguish between heat and temperature and how product design is related to the three forms of heat transfer---conduction, convection and radiation.
 - A. **Major Curriculum Concept:** The relationship between material and heat transfer by conduction.
 - B. **Stem Application:** How product design is related to the conductivity of materials.
 - C. **Common Core Reference:** 9.1 D2. Explain how energy is transferred by conduction, convection and radiation.
 - D. Students will know/understand that the conductivity of a material can fool you about its temperature. They will know that different materials will have very different conductivity.
2. **Class Activity**

Do Now: Touch 5 inanimate objects around you and rank them from warmest to coolest.

 - Have the students take the temperature of those objects.