



Content Standards

The following California Content Standards form the basis for USS Midway Museum's Grade 6 Science Program, "Onboard With Thermal Energy":

Focus on Earth Sciences:

Heat (Thermal Energy) (Physical Sciences)

- 3 Heat moves in a predictable flow from warmer objects to cooler objects until all the objects are at the same temperature. As a basis for understanding this concept:
 - a. Students know energy can be carried from one place to another by heat flow or by waves, including water, light and sound waves, or by moving objects.
 - b. Students know that when fuel is consumed, most of the energy released becomes heat energy.
 - c. Students know heat flows in solids by conduction (which involves no flow of matter) and in fluids by conduction and by convection (which involves flow of matter).
 - d. Students know heat energy is also transferred between objects by radiation (radiation can travel through space).

Resources

- 6 Sources of energy and materials differ in amounts, distribution, usefulness, and the time required for their formation. As a basis for understanding this concept:
 - a. Students know the utility of energy sources is determined by factors that are involved in converting these sources to useful forms and the consequences of the conversion process.
 - b. Students know different natural energy and material resources, including air, soil, rocks, minerals, petroleum, fresh water, wildlife, and forests, and know how to classify them as renewable or nonrenewable.