

GRADE 6

3a

## Heat (Thermal Energy) (Physical Science)

Heat moves in a predictable flow from warmer objects to cooler objects until all objects are at the same temperature. As a basis for understanding this concept:

Students know energy can be carried from one place to another by heat flow, or by waves including water waves, light and sound, or by moving objects.



## Heat (Thermal Energy) (Physical Science)

Heat moves in a predictable flow from warmer objects to cooler objects until all objects are at the same temperature. As a basis for understanding this concept:

Students know when fuel is consumed, most of the energy released becomes heat energy.



## Heat (Thermal Energy) (Physical Science)

Heat moves in a predictable flow from warmer objects to cooler objects until all objects are at the same temperature. As a basis for understanding this concept:

Students know heat flows in solids by conduction (which involves no flow of matter) and in fluids by conduction and also by convection (which involves flow of matter).

GRADE 6

3d

## Heat (Thermal Energy) (Physical Science)

Heat moves in a predictable flow from warmer objects to cooler objects until all objects are at the same temperature. As a basis for understanding this concept:

Students know heat energy is also transferred between objects by radiation; radiation can travel through space.