

Science 3 – 5 for use with NGSS 2013:

Physical Science: Energy; Waves and Their Applications in Technologies for Information Transfer

Heat Transfer

Students

Learning Continuum Statements:

Students:

RIT 161-170:

- Relates heat to objects that produce light

Students:

RIT 171-180:

- Refines structures designed to reduce the Sun's warming effects

Students:

RIT 181-190:

- Develops or uses models to describe how features of a design relate to the function of blocking sunlight
- Predicts rates of heat transfer for different amounts of substances
- Determines suitable materials for solving problems related to heat from the Sun

Students:

RIT 191-200:

- Determines suitable materials for solving problems related to heat from the Sun
- Refines designs of solutions that block sunlight to solve a problem

Students:

RIT 201-210:

- Describes heat transfer properties of materials for appropriate use in technology

Students:

RIT 211-220:

- Recalls the effect of radiant energy from the Sun when it reaches Earth's surface