

Science 3 – 5 for use with NGSS 2013:

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

Energy Conversions

Students

Learning Continuum Statements:

Students:

RIT 191-200:

- Makes and supports claims about the transfer of motion energy in experiments
- Describes energy conversions from light to heat
- Relates the color of objects to the conversion of light to heat
- Describes energy conversions in devices

Students:

RIT 201-210:

- Describes changes in motion energy, light energy, and sound energy when objects collide
- Predicts temperatures of objects of different colors resulting from the conversion of light to heat
- Describes energy conversions in devices

Students:

RIT 211-220:

- Describes changes in motion energy, light energy, and sound energy when objects collide
- Plans investigations to answer questions about energy transfers during collisions