Curriculum Overview (2015 - 2016):

The 7th grade science curriculum focuses on concepts of scientific investigation, chemistry, and physical sciences. Impact of science technology and human activity on society is integrated throughout the curriculum.

FIRST QUARTER

SCIENTIFIC INVESTIGATION/SKILLS

Scientists Safety Scientific Tools Types of Data (Qualitative, Quantitative) Measurements

> Length, Mass Volume, Temperature, Time

Parts of an Experiment data tables, IV, DV, controls, multiple trials Graphing / Analyzing Data Scientific Process



THIRD QUARTER

THERMAL ENERGY

Thermal Energy Method of Heat Transfer Conductors/Insulators of Heat Color and Heat Absorption



ELECTRICITY

Interaction of Charges Current in a Circuit Conductors/Insulators of Electricity Series/Parallel Circuits Resistance in a Circuit

WAVES

Waves Properties (frequency/amplitude) SOUND

> Loudness and Pitch Speed of Sound

LIGHT

EM Spectrum (Sources) Visible Light Light and Matter **Reflection & Mirrors** Light & Surfaces **Refraction & Lenses** Colors and Light

7th Grade Science

