

8th Grade Science Syllabus – 2016-17

Module J: Sound and Light

Waves

- Waves
- Properties of waves

Sound

- Sound waves and hearing
- Interactions of sound waves
- Sound technology

Light

- The electromagnetic spectrum
- Interactions of light
- Mirrors and lenses
- Light waves and sight
- Light technology

Module A: Cells and Heredity

Cells

- Characteristics
- Chemistry of life
- Structure and function
- Levels of organization
- Processes
- Photosynthesis and respiration

Reproduction and Heredity

- Mitosis vs. meiosis
- Sexual and asexual reproduction
- Heredity
- DNA

Module B: Diversity of Living Things

Life over Time

- Introduction to living things
- Classification of living things

Earth's Organisms

- Viruses and bacteria
- Protists and fungi
- Plants
- Animals

Text: Science Fusion (2012)