

## 7<sup>th</sup> Grade Science Syllabus – 2016-17

### Module J: Sound and Light

#### Unit 1

- Waves
- Properties of waves

#### Unit 2

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

#### Unit 3

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

### Module E: The Dynamic Earth

#### Unit 1

- Earth's spheres
- Weathering, erosion, and deposition
- Soil formation

#### Unit 2

- Relative and absolute dating

#### Unit 3

- Minerals
- Rock cycles
- Classes of rocks

#### Unit 4

- Earth's layers
- Plate tectonics
- Mountain building
- Volcanoes
- Earthquakes

### Module F: Earth's Water and Atmosphere

#### Unit 1

- Water
- Water cycle

#### Unit 3

- The atmosphere
- Energy transfer
- Wind

#### Unit 4

- Weather
- Clouds
- Severe weather
- Weather maps
- Climate