

GRADE: 8      SUBJECT: Science      QUARTER:4

Students will...	IL State Standard
List the characteristics, properties and interaction of waves.	12.D.1a
Explain sound, how it travels and factors of sound.	12.C.2a
Explain electromagnetic waves, spectrum, how to produce light and how wireless communication works.	12.C.4a 12.D.4b
Describe what determines the color of an object, identify kinds of reflection, types of lenses and mirrors, technology, and how it travels.	12.C.2a 13.B.3a
Demonstrate how the Earth moves, cycles of the seasons, gravity and phases of the moon.	12.E.1b 12.F.2a 12.F.1b
Describe how rockets work, develop, describe the Space Race, role of the space station and probes, and space benefits to Earth.	13.B.2b 13.B.2c
Describe and explain the differences of the sun, solar system, comets, asteroids, and meteors.	12.F.1a 12.F.2a 12.F.4b
Identify and explain how stars are classified, patterns, types of galaxies. Explain the "Big Bang Theory".	12.F.2b,c 12.F.3c 12.F.5a,b 12.F.4a