

**Fairview High School Curriculum Map
2015-2016
NGSS 2015**

**Teacher: Lisa Stanley
Subject: Science
Grade: 6**

Month	Unit	Strand	NGSS Standards	Assessment Type	Resources
Aug.	<p>The Nature of Matter Ch. 1 Nature of Science</p> <p>Ch. 3 Matter and its Changes</p>	<p>--Science in daily life, branches of science, Science technology, Scientific Method</p> <p>--States of matter, atoms, isotopes, chemical and physical changes, chemical and physical properties</p>	<p>06-LS2-3 06-PS1-1</p> <p>SC-06-1.1.1 SC-06-1.1.2</p>	<p>Comprehension questions, chapter tests, worksheets, group work, quizzes, daily bell work, group discussions</p> <p>daily bell work, worksheets, kinesthetic activities quizzes</p>	<p>Glencoe Science textbook, document camera, projector, manipulatives, internet, lab resources and materials, <i>Know It All</i> DVD Quiz Game</p>
Sept.	<p>Ch. 4 Atoms, Elements, and the Periodic Table</p> <p>Interactions of Matter Ch. 5 Motion, Forces, and Simple Machines</p>	<p>--Structure of matter, compounds, mixtures, reading the Periodic table, Law of Conservation of Mass, Law of Conservation of Matter</p> <p>--Calculating speed, acceleration, distance, Newton's Laws of Motion, work, simple machines</p>	<p>06-PS2-1 06-PS2-2</p> <p>SC-06-1.2.1 SC-06-4.6.2 SC-06-4.6.3</p>	<p>Comprehension questions, open response items, chapter tests, group discussion, daily bell work, worksheets, kinesthetic activities quizzes</p>	<p>Glencoe Science textbook, document camera, projector, manipulatives, internet, <i>Know It All</i> DVD Quiz Game, lab resources and materials</p>
Oct.	<p>Ch. 6 Energy</p> <p>Ch. 8 Waves</p>	<p>--Law of Conservation of Energy, potential and kinetic energy, temperature, heat, different forms of energy, conduction, convection,</p>	06-ESS3-5	<p>Comprehension questions, open response items, chapter tests, group discussion,</p>	<p>Glencoe Science textbook, document camera, projector,</p>

		<p>radiation</p> <p>--parts of waves, electromagnetic spectrum, different types of waves, wave behavior</p>		<p>daily bell work, worksheets, kinesthetic activities, quizzes</p>	<p>manipulatives, internet, lab resources and materials, <i>Know It All</i> DVD Quiz Game</p>
Nov.	<p>Earth's Changing Surface</p> <p>Ch. 9 Rocks and Minerals</p> <p>Ch. 10 Forces Shaping Earth</p>	<p>--Rocks, minerals, properties, extrusive, intrusive, lava and magma, rock cycle, igneous, sedimentary, metamorphic</p> <p>--Folded mountains, upwarped mountains, fault-block mountains, tectonic plates, latitude, longitude, plate boundaries, continental drift</p>	<p>06-ESS2-2</p> <p>06-PS1-4</p> <p>06-ESS2-3</p> <p>06-ESS2-2</p> <p>SC-06-2.3.2</p> <p>SC-06-2.3.3</p>	<p>Comprehension questions, open response items, chapter tests, group discussion, daily bell work, worksheets, quizzes</p>	<p>Glencoe Science textbook, document camera, projector, manipulatives, internet, lab resources and materials, <i>Know It All</i> DVD Quiz Game</p>
Dec.	<p>Ch. 11 Weathering and Erosion</p> <p>Ch. 12 The Atmosphere in Motion</p>	<p>--Weathering and erosion via wind and water, changes in Earth's surface, soil formation</p> <p>--Earth's atmosphere, gases, air pressure, solar energy, radiation, conduction, convection, radiation, climate, water cycle, winds, Coriolis effect, weather patterns, clouds, air masses, fronts</p>	<p>06-ESS2-2</p> <p>06-ESS2-6</p> <p>SC-06-2.3.3</p> <p>SC-06-4.6.2</p>	<p>Comprehension questions, open response items, chapter tests, group discussion, daily bell work, worksheets, kinesthetic activities, quizzes</p>	<p>Glencoe Science textbook, document camera, projector, manipulatives, internet, lab resources and materials, <i>Know It All</i> DVD Quiz Game</p>
Jan.	<p>Ch. 13 Oceans</p> <p>Beyond Earth</p> <p>Ch. 14 Exploring Space</p> <p>Ch. 15 The Solar System and Beyond</p>	<p>--Earth's oceans, currents, waves, tides, erosion, sea life, producers, consumers, decomposers, energy cycles, food chains</p> <p>--Space technology, current and future space missions, famous missions and spacecrafts, International Space Station</p> <p>--Earth's seasons, moon</p>	<p>06-LS2-3</p> <p>06-ESS2-6</p> <p>06-ESS1-1</p> <p>06-ESS1-2</p> <p>06-ESS1-3</p> <p>SC-06-2.3.1</p> <p>SC-06-4.6.2</p> <p>SC-06-4.7.1</p>	<p>Comprehension questions, open response items, chapter tests, group discussion, daily bell work, worksheets, quizzes</p>	<p>Glencoe Science textbook, document camera, projector, manipulatives, internet, lab resources and materials, <i>Know It All</i> DVD Quiz Game</p>

		phases, space measurements, planet characteristics, inner and outer planets, stars, galaxies	SC-06-4.6.1		
Feb.	Ch. 16 Cells- The Units of Life Ch. 18 Vertebrate Animals	--Classification of living things, dichotomous key, cell theory, plant and animal cells, tissues, organs, organ systems, cells --Animal characteristics, differentiating between vertebrates and invertebrates, chordates, amphibians, reptiles, birds, mammals, asexual and sexual reproduction	06-LS2-1	Comprehension questions, open response items, chapter tests, group discussion, daily bell work, worksheets, quizzes	Glencoe Science textbook, document camera, projector, manipulatives, internet, lab resources and materials, <i>Know It All</i> DVD Quiz Game
March	Life's Diversity Ch. 19 The Human Body Life's Diversity Ch. 20 The Roles of Genes in Inheritance	--Human reproduction, body systems DNA, RNA, dominant and recessive alleles, mitosis, meiosis, sex-linked traits, genetics, traits, genotypes, phenotypes	SC-06-3.4.1 SC-06-3.4.2 SC-06-4.6.2 SC-06-3.4.2 SC-06-3.5.1 SC-06-3.5.2	Comprehension questions, open response items, chapter tests, group discussion, daily bell work, worksheets, kinesthetic activities, quizzes	Glencoe Science textbook, document camera, projector, manipulatives, internet, lab resources and materials, <i>Know It All</i> DVD Quiz Game
April	Life and the Environment Ch. 21 Ecology Ch. 22 Earth's Resources	--Environment, transfer of energy through an ecosystem, populations, communities, niches, food chains, habitats, biotic and abiotic factors, food webs, cycles of carbon, water, and nitrogen --Renewable and nonrenewable resources, alternative resources, land, water, environment, use of resources	06-LS2-1 06-LS2-3 06-LS2-2	Comprehension questions, open response items, chapter tests, group discussion, daily bell work, worksheets, kinesthetic activities, quizzes	Glencoe Science textbook, document camera, projector, manipulatives, internet, lab resources and materials, <i>Know It All</i> DVD Quiz Game

<p>May</p>	<p>Ch.17 Invertebrate Animals</p> <p>Ch.7 Electricity and Magnetism</p>	<p>--Symmetry, sponges, cnidarians, flatworms, roundworms, mollusks, segmented worms, echinoderms, asexual and sexual reproduction</p> <p>--Insulators, conductors, series and parallel circuits, voltage batteries, currents, resistance, magnets' behavior, friction, magnetic fields</p>	<p>SC-06-2.3.2 SC-06-2.3.3</p>	<p>Comprehension questions, open response items, chapter tests, group discussion, daily bell work, worksheets, kinesthetic activities, quizzes</p>	<p>Glencoe Science textbook, document camera, projector, manipulatives, internet, lab resources and materials, <i>Know It All</i> DVD Quiz Game</p>
-------------------	---	---	------------------------------------	--	---