MS Science Year at a Glance Resource 016-2017: 3rd Nine Weeks 1/24/17 – 3/23/17

Date	6	7	8	Physical Science
1/24 – 1/27	**Law of Universal Gravitation** Gravitational Force *QSBA 2*	**Evidence of Species Change** Evidence of Scientific Theory of Evolution *QSBA 2*	**Objects in the Universe** Law of Universal Gravitation and the Formation of Stars	**Atomic Structure** Structure of the Atom *QSBA 2*
1/30 – 2/3	**Law of Universal Gravitation** Mass vs. Weight and the relationship between gravity and mass and distance	**Evidence of Species Change** Adaptations and Extinction	**Stars and the Sun** Properties of Stars H-R Diagrams	**Atomic Structure** Atomic Models
2/6 – 2/10	**Forces and Motion** Types of forces Effects of Unbalanced Forces on an Object	**Natural Selection** Variations of traits and Diversity of Organisms	**Stars and the Sun** Properties of Stars H-R Diagrams	**Atomic Structure** Periodic Table
2/13 – 2/17	**Forces and Motion** Effects of Unbalanced Forces on an Object *Unit 5 Assessment*	**Natural Selection** Environmental Factors and changing in conditions	**Stars and the Sun** The Sun's Characteristics and Electromagnetic Spectrum *Unit 5 Assessment*	**Compounds** Chemical bonds and electrons, Chemical Formulas
2/21 – 2/24	**Structure and Function of Living Things** Hierarchical Organization of Organisms, Cell Theory and Homeostasis	**Natural Selection** Reproductive Fitness and species change overtime Unit 6 Assessment	**Objects in our Solar System** Models of the Solar System and Earth's Properties	**Compounds** Chemical bonds and electrons, Chemical Formulas
2/27 – 3/3	**Cell Structure and Organelles** Prokaryotic and Eukaryotic Cells	**Relationships in Ecosystems** Symbiotic Relationships and Food Webs	**Objects in our Solar System** Properties of Sun, planets and moons compared to Earth	**Compounds** Building Blocks of Life, Organic Compounds and Macromolecules
3/6 – 3/10	**Cell Structure and Organelles** Eukaryotic Organelles and Plant Specific Organelles *Unit 6 Assessment*	**Relationships in Ecosystems** Food Webs and Limiting Factors	**Changes in Matter** Temperature's Influence on Chemical Changes **Atoms;** Atomic Theory *Unit 2 Assessment*	**Chemical Reactions** Physical and Chemical changes Types of Reactions
3/13 – 3/17	**Classification of Living Things** Linnaean Classification and Characteristics of Domains	**Human Impact on Earth** Resources and Biodiversity	**The Sun, Earth, and Moon System** Earth's Movement in Space and Seasons	**Chemical Reactions** Photosynthesis, Cellular Respiration and Biogeochemical Cycles
3/20 – 3/23	**Classification of Living Things** Eukaryotic Kingdoms and Scientific Names *Unit 7 Assessment*	**Human Impact on Earth** Pollution and Human Impact on the Everglades *Unit 7 Assessment*	**The Sun, Earth, and Moon System** Tides, Phases of the Moon and Eclipses *Unit 6 Assessment*	**Solutions** Types of Mixtures and Solutions Acids and Bases

MS Science Year at a Glance Resource 2016-2017: 4th Nine Weeks 3/27/17 – 6/28/17

Date	6	7	8	Physical Science
3/27 – 3/31	**Human Body Systems** Major Body Systems QSBA 3	**DNA, Chromosomes and Heredity** DNA and review of Cell Structure QSBA 3	**Data-Based Benchmark Reinforcement: Earth, Space & Physical Sciences**	**Energy and Chemical Reactions** Types of Reactions Required energy and Reaction systems QSBA 3
4/3 – 4/7	**Human Body Systems** Erosion and Deposition	**DNA, Chromosomes and Heredity** *DNA and Reproduction*	**Data-Based Benchmark Reinforcement: Earth, Space & Physical Sciences**	**Energy and Chemical Reactions** Reactions rates and equilibrium
4/17 – 4/21	**Human Body Systems** Major Body Systems Interactions and Homeostasis	**Genetic Traits and Heredity** Mendelian Genetics Phenotypes and Genotypes	**Data-Based Benchmark Reinforcement: Physical Science & Life Sciences**	**Data-Based Benchmark Reinforcement**
4/24 – 4/28	**Transformation between Potential & Kinetic Energy** Body Systems Interactions, Homeostasis and effect of drugs on body systems	**Genetic Traits and Heredity** Genetic Probabilities with Punnett Squares and Pedigrees	**Data-Based Benchmark Reinforcement: Physical Science & Life Sciences**	**Data-Based Benchmark Reinforcement**
5/1 – 5/5	**Pathogens Comparison** Infectious agents	**Biotechnology** Artificial Selection, Genetic Engineering and Cloning	**Human Growth and Development**	**Electricity-Static Current** Concept of electricity, conductors semiconductors and insulators
5/8 – 5/12	**Pathogens Comparison** Disease Prevention and STIs Unit 6 Assessment	**Biotechnology** Impact on individuals, society and the environment Unit 8 Assessment	**Human Growth and Development**	**Electricity-Static Current** Electric circuits and systems
5/15 – 5/19	**Substance Abuse, Health and Decision Making**	**Health and Disease Prevention**	**Human Growth and Development**	**Magnetism** Interactions of Magnets
5/22 – 5/26	**Human Growth and Development**	**Human Growth and Development**	**Substance Abuse-Personal Health-Relationships**	**Magnetism** Electromagnets, motors and generators
5/30 – 6/2	**Human Growth and Development**	**Human Growth and Development**	**Substance Abuse-Personal Health-Relationships**	**Behavior of Gases** Gas Laws
6/5 – 6/8	**Types of Forces** Forces Acting at A Distance	**Human Growth and Development**	**Substance Abuse-Personal Health-Relationships**	**Biology Ramping Up**