7th Grade Science

Below is a list of the standards and chapters we have covered this year in 7th grade science. This list will be helpful in reviewing for the end of the year assessment.

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| **Book Name** | **Title / Key Terms- Concepts** |
| Nature of Science - Purple | Nature of Science   * Science * Technology * Scientific Method- Steps |
| Chemical Building Blocks – Blue | States of Matter   * Matter / States of Matter * Kinetic Theory of Matter * Melting/ Freezing/ Boiling Point |
| Chemical Building Blocks- Blue | Solutions   * Mixture * Solute * Solvent / Universal Solvent * Solution * Concentrated / Dilute/ Saturated |
| Astronomy – Red | Moon and Tides   * Spring/ Neap Tide * Solar/ Lunar Eclipse * Phases of the Moon * Waxing and Waning |
| Cells and Heredity – Green | Cell Reproduction   * Cell Cycle – Stages * Mitosis- PMAT * Asexual Reproduction – Budding, Regeneration, Fission * Chromosome * DNA- Structure, Function |
| Cells and Heredity- Green | Genetics   * Heredity * Alleles * Dominant / Recessive * Punnett Squares * Genotype/ Phenotype * Homozygous/ Heterozygous * Inheritance Patterns |
| Human Biology and Health – Green | Skeletal and Muscular Systems   * Functions of Muscular & Skeletal System * Moveable/ Immoveable Joints * Skeletal/ Cardiac/ Smooth Muscle * Marrow/ Peristeum/ cartilage * Joint/ ligament/ tendon * Voluntary/ Involuntary Muscle |
| Human Biology and Health – Green | Digestive System   * Mechanical/ Chemical Digestion * Disgestive System Organs * Homostasis * Carbohydrate/ protein/ fat/ mineral / amino acid/ nutrient * Enzyme- Saliva * Peristalsis * Chime * Villi |
| Human Biology and Health – Green | Circulatory System   * Functions * Arteries/ Veins/ Capillaries |
| Human Biology and Health – Green | Respiratory & Excretory System   * Structures/ Functions |
| Human Biology and Health – Green | Nervous System   * Structure/ Function * Central / peripheral Nervous system |
| Human Biology and Health – Green | Immune System   * Natural Disease defenses * Active/ Passive Immunity |