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
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| Chemical Building Blocks – Blue  | States of Matter * Matter / States of Matter
* Kinetic Theory of Matter
* Melting/ Freezing/ Boiling Point
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| 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
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| 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
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| 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
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| Human Biology and Health – Green | Circulatory System * Functions
* Arteries/ Veins/ Capillaries

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| Human Biology and Health – Green | Respiratory & Excretory System * Structures/ Functions

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| Human Biology and Health – Green | Nervous System * Structure/ Function
* Central / peripheral Nervous system
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| Human Biology and Health – Green | Immune System * Natural Disease defenses
* Active/ Passive Immunity

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