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| Time Frame | Topic/Unit | Skills/Concepts | Major Assessments | Core Standards | Resources |
| September (13 days) | **Introduction to Earth Science** | * graphing * direct indirect relationships * cyclic vs. noncyclic * density & calculations * CER | Equipment lab  Density lab  Graphing lab  Test | 1.1, 1.2 | * RT (Reference Table) 1, 14 * iPad Pages app to make graphs |
| September-October (15 days) | **Measuring Earth** | * latitude longitude * time zones * spheres of the earth * landscapes * topographic maps, profiles | Latitude longitude lab  Topographic map lab  Test | 1.1, 1.3, 6.2, 6.3, 7.2 4(1.1c,1.1d, 2.1q | * RT 2. 3 * App on ipads topographic maps |
| October-November (15 days) | **Minerals and Rocks** | * mineral identification * rock identification | Mineral lab  Rock lab  Test | 1.1, 4(3.1a, 3.1b, 3.1c) | * RT 6, 7, 16 * Mineral and rock samples |
| November-December (20 days) | **Weathering, Erosion, Deposition** | * types of weathering * agents of erosion * patterns of deposition * factors effecting W, E, D | Physical weathering lab  Chemical weathering lab  Stream lab  Test | 1.1, 1.2, 2.3, 6.1, 4(2.1s, 2.1t, 2.1v) | * RT 6, 7, 2, 3, 1 |
| December-January (20 days) | **Inner Earth, Plate Tectonics, Earthquakes** | * layers of inner earth characteristics * types of plate boundaries and examples in RT * earthquake waves and using RT | Inner earth lab  Plate boundary lab  Earthquake lab  Test | 2.3, 4(2.1a, 2.1b, 2.1j, 2.1k, 2.1l, 2.1m, 2.1n, 2.1o, 2.1p) | * RT 5, 6, 7, 10, 11, 1 |
| January-February (10 days) | **Geologic History** | * relative dating * absolute dating * geologic time scale * index fossils * evolution | Biostratigraphy lab  Radioactivity lab  Test | 6.3, 7.1, 4(1.2f, 1.2d, 1.2h, 1.2i, 1.2j, 1.2o) | * RT 1, 2, 3, 8, 9 |
| February-March (20 days) | **Astronomy** | * planet characteristics * star characteristics * parts of the universe * Big Bang Theory * moon phases | Ellipse lab  Sun’s path lab  HR star lab  Test | 1.1, 1.3, 6.3, 6.4, 6.5, 4(1.2d, 1.2b, 1.2f, 1.1a, 1.1h, 2.2a, 1.1f, 1.2e, 2.1b, 1.1d, 1.1i, 1.1g, 1.2a) | * RT 15, 1 * Apps-stellarium, NAAP labs |
| April (10 days) | **Water Cycle and Groundwater and Energy** | * water cycle * groundwater characteristics * water budgets * heat transfer | Permeability and Porosity lab  Insolation lab  Test | 1.1, 2.2, 6.6, 4(1.2g, 1.2b, 2.1u, 1.1i, 1.2f) | * RT 1, 6 |
| April-May (30 days) | **Weather and Climate** | * factors effecting climate * weather variables * planetary winds * station models * air pressure * air masses and fronts * storms | Psychrometer lab  Station model lab  Test | 2.1, 2.3, 6.5, 4(1.2e, 1.2h, 1.2b, 2.1c, 2.1e, 2.1g, 2.1h, 2.2b, 2.1h, 2.2b, 2.1e, 2.1d, 2.2d, 1.1a, 2.1i, 2.1o, 2.1r, 2.1s, 2.2c, 1.2g) | * RT 1, 3, 12, 13, 14 * Weather channel |
| June (10 days) | **Review** | * Review |  |  |  |

\*\* all units have note packets provided, use ppts, brainpop videos, youtube videos