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**SCIENCE PACING GUIDE**

**6th GRADE**

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| **FIRST QUARTER** | | |
| **UNIT** | **PACING** | **TOPICS** |
| **6.PS3: Energy** | **1 week** | * **Kinetic vs. Potential Energy** |
|  | **1 week** | * **Energy Transformations** |
|  | **2 weeks** | * **ETS1.2 ENERGY TRANSFER** |
|  | **1 week** | * **Kinetic Energy (Mass and Speed)** |
|  | **1 week** | * **Renewable and Nonrenewable Resources** |
|  | **2 weeks** | * **Alternative Energy Sources** |
|  | **1 week** | * **Review/Testing** |
| **SECOND QUARTER** | | |
| **UNIT** | **PACING** | **TOPICS** |
| **6.LS2: ECOSYSTEMS: INTERACTIONS, ENERGY, AND DYNAMICS** | **1 week** | * **Biotic/Abiotic Factors in Biomes** |
|  | **2 weeks** | * **Environmental variables on population** * **Competition, symbiosis, predator/prey** * **Communication among organisms in relation to survival** |
|  | **1 week** | * **Food webs and energy pyramids** * **Design a solution for an invasive species in TN** |
|  | **2 weeks** | * **Changes in biodiversity on ecosytems stability and natural resources** * **maintaining biodiversity of ecosystems while still providing necessary human resources without disrupting environmental equilibrium** |
|  | **1 week** | * **ETS1.1: MAINTAINING ECOSYSTEMS AND BIODIVERSITY** |
|  | **1 week** | * **Ecosystem changes** * **Human Impacts on biosphere** |
|  | **1 week** | * **Review/Testing** |
| **THIRD QUARTER** | | |
| **UNIT** | **PACING** | **TOPICS** |
| **6.ESS2: EARTH’S SYSTEMS** | **1 week** | * **Thermal Energy** |
|  | **2 weeks** | * **Ocean Currents** * **Wind Convection** |
|  | **1 week** | * **How convection impacts climate** |
|  | **1 week** | * **Human impact on hydrolic cycle** |
|  | **3 weeks** | * **Weather data** * **Weather fronts and systems** |
|  | **1 week** | * **Review/Testing** |
| **FOURTH QUARTER** | | |
| **UNIT** | **PACING** | **TOPICS** |
| **Review** | **2 weeks** | * **Energy Review** |
|  | **2 weeks** | * **Ecosystems Review** |
|  | **2 weeks** | * **Earth’s Systems Review** |
|  | **3 weeks** | * **Review/Testing /Family Life** |
|  |  | **Teacher to Follow State Policy and Procedure.** |
|  |  | **Teacher to use Curriculum determined by the Bartlett Municipal Schools.** |