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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.** |