Vocabulary – Essential Standards 8P1.2

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| **Word** | **Definition** |
| 1. **Periodic Table** |  |
| 1. **Element** | A pure substance that cannot be broken down into other substances by chemical or physical means. |
| 1. **Model** | May be a diagram, a mental picture, a mathematical statement, or an object that helps explain ideas about the natural world.  Scientists use models to study objects and events that are too small, too large, too slow, too fast, too dangerous, or too far away to see.  Models are used to make and test predictions. |
| 1. **Pattern** | The regular and repeated way in which something is done.  Patterns found on the periodic table would include: |
| 1. **Atom** | The basic particle from which all elements are made. |
| 1. **Valence Electron** | The number of electrons found in the outer shell.  -These electrons can be gained, lost, or shared during a chemical reaction. |
| 1. **Isotope** |  |
| 1. **Atomic Number** |  |
| 1. **Atomic Mass** |  |
| 1. Vertical Column- **Group/Family** |  |
| 1. Horizontal Row- **Period** |  |
| 1. **Physical Property** |  |
| 1. **Malleability** |  |
| 1. **Conductivity** |  |
| 1. **Reactivity** |  |
| 1. **Ductility** |  |