**ENERGY & POWER SYSTEMS**

***What*, *where*, *when*, *why*, and *how* are energy and power systems?**

Presentation Activity

* **Hydroelectric**
* **Wind**
* **Nuclear**
* **Solar**
* **Fuel Cell**
* **Biofuels**
* **Mechanical Energy-Kinetic & Potential**
* **Fossil Fuels**
* **First Law of Thermodynamics & Second Law of Thermodynamics**
* **Thermal / Gravitational / Sound / Elastic / Electromagnetic Energy**
* **Geothermal / Hydrothermal**
* **Tidal**
* **Nuclear**
* **Cold Fusion**
* **Cogeneration**
* **Water Powered Car/Hydrolysis**
* **Exhaustible/Inexhaustible/ Renewable**

**DIRECTIONS**: Create a PowerPoint presentation based on your selected power source. Use the checklist below as you develop the presentation.

* **Explain**: What your system is

 What your system does

 How does the system do it

* Be sure to cover all answer the ***what***, ***where***, ***why***, ***how*** questions
* Comment on what technological developments or future improvements that will impact your power source
* Use appropriate ***graphics*** and ***images***
* Use ***video*** if possible and appropriate
* Be sure to have and explain a ***diagram of the system***
* Create a handout to supplement the presentation. This should contain the nuts and bolts about what students needs to know about the system
* The presentation must have a sources page (MLA) use this link to help you with the citations: [www.knightcite.com](http://www.knightcite.com)
* Be knowledgeable and present the information to the class on your assigned day.