**Jigsaw Project: Physics Work & Energy Unit**

**Due Date**- Wednesday, **November 26th**, 2014

**Presentations** will begin **Monday, December 1st**

*\*Sometimes people are absent, please don’t be the one who holds all of the work\*- either leave it in your binder in the cabinet or create a way to make sure everyone everyday has access to the research ☺\**

**Presentation Options:**

1. PowerPoint presentation of 5-10 slides with a few pictures (Microsoft or Prezi) (include sound or animation)
2. Poster (must have all of the requirements, plus COLOR, and neat) glitter, lights, 3-D, whatever you would like
3. Mini website (GoogleDocs or Weebly- these two are free)
4. A short video of your team teaching it with demonstrations
5. If you have other ideas please present them and more than likely you will get a “go-ahead” response!

**Requirements:**

* Define your topic (NOT necessarily the textbook definition)
* Equation (with variable explanation & units)
* Diagrams/Pictures drawn or printed
* Mathematical examples (make sure you understand it ☺!)
* Graph (label your axes please)
* **How it connects to Newton’s Laws of motion**
* Present your topic to the class using your poster or PPP
* Two or more references (you may include the textbook as one of them)

\***Extra Credit**- Connect to the Las Vegas area (The Strip rollercoasters, Lake Mead, Red Rock, Rancho sports, etc)

**Topics & Textbook Page Numbers: (2 groups per topic)**

* Work- p. 160-163
* (Transfer of) Energy- overview p.164-182
* Potential Energy- p.169-172
* Kinetic Energy- p. 164-168
* Conservation of Energy- p. 173-178
* Power- p.179-181

**Resources:**

* Textbook p.159-177 (1st source of reference…before you venture out onto the internet)
* Laptops/ Internet (for pictures, diagrams, additional examples, and animations)