

**Work, Energy, and Power Project – Honors Physics – Spring 2014**  
**Due: Thursday, March 6, 2014 (3A) and Friday, March 7, 2014 (1B)**  
**(No late assignments will be accepted!)**

**Objective:** To review or extend your physics knowledge of work, energy and power.

**Requirements:** You must demonstrate mastery of the listed concepts through the various products.

1. Work (Definition and Calculations)
2. Potential Energy
3. Kinetic Energy
4. Mechanical Energy
5. Power

**Products** (Each product can only be used for one required topic)

- |                                 |  |
|---------------------------------|--|
| 1. Fold It 1                    | 10. Equation Bookmark                    |
| 2. Fold It 2                    | 11. Song or Rap                          |
| 3. Fold It 4                    | 12. Limerick                             |
| 4. Bull's Eye Comparison        | 13. Tatto or Body Art                    |
| 5. The Ring of Truth            | 14. Acrostic Poem                        |
| 6. Grasping a Concept           | 15. Public Service Announcement          |
| 7. Lost and Found               | 16. Magazine Ad                          |
| 8. Single Frame Cartoon Project | 17. Other: Must be approved by Ms. Grant |
| 9. T-shirt Art                  |  |

**Grading Rubric** (Each product will be graded on the following 5-point scale)

**5 Points - (a WOW product)**

- all of the requirements are evident and EXCEEDED
- the product is VERY neatly done and EXTREMELY well organized
- the product shows LOTS of creativity and is colorfully illustrated
- completed on time

**4 Points - (What is EXPECTED)**

- all of the requirements are evident
- the product is neatly done and well organized
- the product shows creativity and is colorfully illustrated
- completed on time

**3 Points – (Almost What is EXPECTED)**

- the requirements are evident (maybe 1 or 2 are missing)
- the product is neatly done and organized
- the product shows some creativity and is illustrated
- completed on time

**2 Points – (Sort of What is EXPECTED)**

- the requirements are evident (maybe 3 or 4 are missing)
- the product is done and sort of organized
- the product shows little creativity and is illustrated
- completed on time

**1 Point – (Two or More parts is missing)**

- MANY of the requirements are NOT PRESENT
- the product is VERY POORLY done and POORLY organized
- the product shows little TO NO creativity and THE illustrations IS POORLY DONE

**0 Points - (Does not meet Standards)**

- Cannot be graded or no product