Physics

Projectile Motion Project

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<http://cpfaffphysics1.weebly.com>

Teams of 3 or 4 – you must submit your group members to me via email by **23:59 Monday, 10 September, 2018**. Include first and last names of each group member as well as the period you have Physics I

Example:

First Period

Angus Young, Joey Ramone, Tammy Wynette, Joan Jett

Submit a presentation – Power point, Prezi, etc. of your choice about your research on Projectile motion.

Need to contain at least **two external links** to websites that show projectile problem solving and **two links to videos germane to the subject and to your understanding and learning of projectiles**. You should explain or summarize the videos and links in your presentation. The links are for others to follow for more learning.

Key terms you must include and explain their relevance to projectiles:

**Projectile Force Acceleration Components**

**How motion may change in each dimension (X and Y, two key terms)**

**Newton’s laws Range Launch angle Misconceptions**

*Sited resources with links for at least six total* ***additional*** *sources you used.*

Must be submitted by 23:59 Sunday, September 16th, 2018 via email to coach Pfaff. Only 1 submission per group.

Beginning Tuesday Sep 4th, **your group will make a maximum ten (10) minute presentation to the class.** During your in-class presentation you only need to explain the relevance of the videos or links. Tuesday at the start of class, you will submit a list of group members and their responsibilities/contributions toward the project. **Each group member must participate in the presentation.** The grade for your in-class presentation will count as a lab grade, **while the grade for your project will go into the Quiz category**.

See the Scoring Rubric on the next page.

**Projectile Motion Electronic Presentation Scoring Rubric**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Criteria** | **Does not meet** |  | **Acceptable** |  | **Target** |  | **Total** |
|  | **1 – 5** |  | **6 - 10** |  | **11- 15** |  |  |
| Group Member and Presentation submission | More than 6 hours late |  | Less than 6 hours late |  | Meets deadline |  |  |
| Key terms – Inclusion of the key terms in your presentation | Contains no more than 5 of the key terms |  | Contains 6-9 of the key terms |  | Contains 10 of the key Terms |  |  |
| Links- presentation contains required links that work | 1 – 2 working links |  | 3 working links |  | Contains 4 working links |  |  |
| Sources cited – | Total of  1 – 3 additional source links |  | Total of  4 – 5 additional source links |  | Total of 6 additional source links |  |  |
| In class Presentation | Covers only some key terms and shows minimal understanding |  | Covers most key terms and students can answer most questions adequately |  | Cover key terms with understanding and able to answer questions thoroughly |  |  |
|  |  |  |  |  | Total |  |  |

Any unique video or link you use will earn you one bonus point, up to three.