Physics 40  
Ms. Smith  
T-18

Summative Reflection & Mirrors Project

In addition to a unit test, you will also demonstrate your knowledge through a project that encompasses all your learning on this topic.

Project Topic Choices:

1. Present an overview of the topic through any means.

Points to be discussed:

* + 1. Wave properties of light
    2. Properties of Plane and Spherical Mirrors
    3. Properties of images
    4. Ray diagrams
    5. The mirror & magnification equations.

1. Thoroughly research and present a real-world application of spherical mirrors somewhere in science or technology through any means.

Ideas for means to express your learning:

* Well-written essay (minimum of 2 pages, Times New Roman, double spaced)
* Video presentation
* Poster (must be on poster board; see me if you have a problem getting some)
* Song/rap
* 3D Diagram (labeled)
* Interpretive dance (with informative subtitles)

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| --- | --- | --- | --- | --- | --- |
| Project Rubric | | | | | |
| Category | 5 | 3 | 1 | 0 | Points received |
| Information Conveyed | All relevant information is conveyed to the viewer. Student has clearly explained all topics to the fullest extent. | A reasonable amount of information is conveyed to the viewer. Student has clearly explained the topics covered, but some information relevant to the viewer’s understanding is missing. | Some information is conveyed to the viewer. Student explained some of the topics covered, but information relevant to the viewer’s understanding is missing. | Most/All information relevant to the viewer’s understanding is missing. | \_\_\_\_/35 |
| Creativity | Student’s presentation is neat, clear, and legible. Any writing is grammatically sound and flows smoothly. Student’s ingenuity adds to the message of the presentation. | Student’s presentation is neat, and legible. Any writing is grammatically sound. Project may lack originality or ingenuity. | Student’s presentation is legible, but might not be neat. Writing may have several grammatical errors that take away from the purpose of the project. Project may lack originality or ingenuity. | Student’s project is messy and takes significant effort on the part of the viewer to find meaning. Grammatical issues are rampant and outside issues dominate the message. | \_\_\_\_/10 |
| Integrity | Student’s presentation contains information presented in their own words. Any sources are cited using MLA style. | \_\_\_ | \_\_\_ | The student’s presentation is a rewording of another author’s information. Sources are cited improperly or not cited at all. | \_\_\_\_/5 |

Total Points received: \_\_\_\_\_/50