

**Newton’s Laws of Motion**

**Physical Science Project**

***Quick Info***

You will be working on preparing a presentation on Newton’s 3 Laws of Motion. Presentations will be made on Edmodo and you will be graded for both the content of your project and your participation on Edmodo and during the class time for the project.

You may bring your textbook to class if you would like to use it as a resource. If you have a personal electronic device that could assists you in doing research and preparing your project, please bring it to class. School laptops will be provided also. Please make sure you are using reputable websites to obtain information.

***What is Required***

1. For each of the three laws of motion, you must provide an accurate and understandable definition and description of the law itself.
2. For each of the three laws of motion, you must provide a minimum of 2 examples and include a full explanation as to why they depict the law that you’ve matched them to.
3. For the 2nd Law of motion, you must create a word problem that solves for the different variables, show the steps that should be taken to solve the problem, and show the final answer for answer.

***Method of Presentation***

This is up to you. You will need to inform your teacher of your plan for presentation no later than the end of class on the first day of work to make sure that it is appropriate. Some ideas:

* + Prezi
	+ Comic strips
	+ Song (must be performed)
	+ Children’s Storybook
	+ Write and perform a skit
	+ Video presentation
	+ Essay
	+ If you have another idea, please run it by me!

**Points Available for Project**

|  |  |  |
| --- | --- | --- |
|  | Points Available | Points Earned |
| Effective use of classtime | 10 points |  |
| Description of 1st Law | 20 points |  |
| Description of 2nd Law | 20 points |  |
| Description of 3rd Law | 20 points |  |
| References | 10 points |  |
| Presentation/Postings to Edmodo | 20 points |  |
| Grand Total | 100 |  |

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**Project: Graphic Organizer**

***This paper will stay with the teacher throughout the course of working on the project in class as a way to help keep track of progress.***

***Day 1:***

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Group members (if any): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Type of presentation/project: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

***Examples for Each Law***

|  |  |  |
| --- | --- | --- |
| Law | Example 1 | Example 2 |
| 1st Law of Motion |  |  |
| 2nd Law of Motion |  |  |
| 3rd Law of Motion |  |  |

***Day 2:*** Newton’s 1st Law of Motion- Have all parts to this portion of the project done by the end of class.

Record references.

***Day 3:*** Newton’s 2nd Law of Motion – Have all parts to this portion of the project done by the end of class. Make sure to have your two word problems to explain. Record references.

***Day 4:*** Newton’s 3rd Law of Motion – Have all parts to this portion of the project done by the end of class. Record references.

***On your own:***

Finish any loose ends that may need to be completed.

Have one person in the group post to the whole class in Edmodo.

There will now be a week to look over other group projects and leave comments.