Kepler’s Laws Project

**Your Task:** Display your knowledge of Kepler’s Three Laws of Planetary Motion through a medium of your choice.

**FOR EACH LAW:**

* Include a “by the book” definition – no symbols or equations
* Include an example, using planets from our solar system
* Include a visual representation of each law

You can express this in a medium of your choice

Ideas:

* Poster
* Paper with drawings & diagrams
* Dioramas with notations
* Clay models

Don’t forget, anything that is not entirely in your own words needs to be sourced appropriately!

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| --- | --- | --- | --- | --- |
|  | 7-10 | 3-6 | 0-2 | Points Received |
| First Law | Law is completely defined. Real world example is clear, appropriate and accurate. Visual representation is clear, appropriate, and engaging. | Law is mostly defined. May be unclear. Real world example might be confusing or inaccurate. Visual representation may be inaccurate, unclear or poorly conveyed. One or more required component may be missing. | Two or more required components are missing. Present components are inaccurate or very confusing and hard to understand. | (x1.5) |
| Second Law | Law is completely defined. Real world example is clear, appropriate and accurate. Visual representation is clear, appropriate, and engaging. | Law is mostly defined. May be unclear. Real world example might be confusing or inaccurate. Visual representation may be inaccurate, unclear or poorly conveyed. One or more required component may be missing | Two or more required components are missing. Present components are inaccurate or very confusing and hard to understand. | (x1.5) |
| Third Law | Law is completely defined. Real world example is clear, appropriate and accurate. Visual representation is clear, appropriate, and engaging. | Law is mostly defined. May be unclear. Real world example might be confusing or inaccurate. Visual representation may be inaccurate, unclear or poorly conveyed. One or more required component may be missing | Two or more required components are missing. Present components are inaccurate or very confusing and hard to understand. | (x1.5) |
| Creativity & Neatness | Project is free of all errors. Project is correctly sourced. Project demonstrates the student’s knowledge and creativity effectively. | Project has minor errors. Sourcing may be incorrect. Project shows student’s knowledge but may show minimum creativity or effort. | Project has significant errors. Sourcing is incorrect or non-existent. Project shows minimal effort on the part of the student. | (x0.5) |

Total Points Received: \_\_\_\_\_\_\_\_\_