**Inclined Plane Lab**

**What is Inclined Plane?**

The inclined plane is simply a flat surface raised at an angle, like a ramp. The Inclined Plane is a simple machine.

Why do humans use inclined planes?

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**Give at least 3 different examples of in everyday life.**

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**Purpose**

* to determine what an incline plane does to the effective force

**Materials**

* inclined plane with protractor
* cart
* balance
* Newton spring scale

**Procedure**

* mass the cart
* weigh the cart
* place the cart on the inclined plane
* attach the Newton spring scale
* read the scale at an angle of 5o
* increase the angle to 10o and read the scale
* repeat until 90o

**Observations**

**Mass of cart (g)** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Weight of cart (N)** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| **Angle****( o )** |  |  |  |  |  |  |  |  |  |  |  |
| **Scale Reading (N)** |  |  |  |  |  |  |  |  |  |  |  |

**Graph**

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**Conclusion**

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