How Much Do You Weigh?

Depends on where you are…

Your weight is determined by gravity,

Which means you weigh a different amount in different places

On Earth you always weigh the same, but what if you were to travel through the Solar System?

What would you weigh then?

1. Weigh yourself on the scale and use a calculator to find out your weight as you travel through the Solar System.
2. At each station use your imagination! Discuss with your fellow students how it would feel to be that weight- would you feel heavy? Light? Weightless? What would you do if you could play in different gravitational pulls?

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| --- | --- | --- |
| Location | Gravity | Your Weight |
| Earth | 1 |  |
| Outer Space | 0 |  |
| Earth’s Moon | 0.17 |  |
| Mercury  (the smallest planet) | 0.38 |  |
| Jupiter  (the largest planet) | 2.36 |  |