

C24 Science

The students in C24 have been learning about the solar system and the planets. Here is a snapshot of what we have learnt so far...



Lacey demonstrating how static electricity holds the balloon to the wall. Look no hands!

Calculations of our weight on different planets.

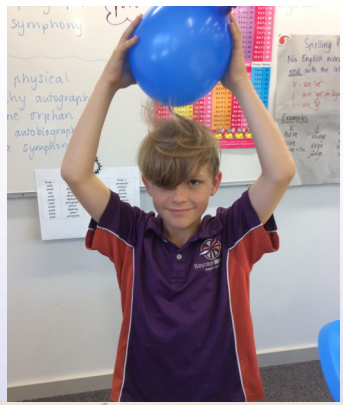
- Mercury: $41\text{kg} \times 0.38 = 15.58\text{kg}$
- Venus: $41\text{kg} \times 0.91 = 37.31\text{kg}$
- Earth: $41\text{kg} \times 1.0 = 41\text{kg}$
- Mars: $41\text{kg} \times 0.38 = 15.58\text{kg}$
- Jupiter: $41\text{kg} \times 2.34 = 95.94\text{kg}$
- Saturn: $41\text{kg} \times 0.93 = 38.13\text{kg}$
- Uranus: $41\text{kg} \times 0.92 = 37.72\text{kg}$
- Neptune: $41\text{kg} \times 1.12 = 45.92\text{kg}$

Aidan Minogue- I like doing all of the experiments and learning about gravity.

Alvin- I like it when we were using the balloon and it made friction and it made static electricity. We also made the planets out of balloons with paper mache.

Emily Wills- we learnt about the planets and how gravity makes it so you don't float in space.

What we have learnt in Science...



Ethan- We have been learning about the solar system and how it works. So far the most fascinating thing we have been learning is gravity. We found out Jupiter's gravity is stronger than Earth's gravity.

Emily Brown- We learnt that in space your weight will actually be heavier or lighter on different planets.

Lachlan- I like science because I find the galaxy quite interesting and how it all came together.

Tanaka - I learnt that gravity keeps Earth in shape and that Pluto isn't a planet for the fact that it's too small.

Saturn

- Saturn is the sixth planet from the sun at a distance of 1.4 billion km.
- Saturn is well known for its seven rings
- Saturn rings were first seen through a telescope by the astronomer Galileo Galilei.
- Hydrogen and helium are the two main elements that make up the majority of Saturn and its atmosphere

Vilhjalm- My favourite thing about science is doing crazy experiments. The big bang exploded and created static electricity and pulled everything together. Gravity depends on the size of the object.

Neptune

- Neptune is the 8th planet in our solar system
- Just like Uranus, Neptune is an ice giant
- Scientists believe Neptune may have a solid core approximately the size of earth
- The surface is made of water, ammonia and methane
- Its atmosphere consists of hydrogen, helium and methane
- In 2015 Neptune had 14 confirmed moons