



# Year 7 Science work

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The planets in our Solar system



# PLANETS

## 1. Mercury

Mercury is the closest planet to the sun so you would assume it is the hottest, But it's NOT! When it faces the sun it is absolutely scorching (800°C) but when it is not it comes to -300°C. It is very rocky & is 2,439 km but compared to earth it covers 1/3 of it!



### FUN Facts!!!

1. It's nickname is "Swift planet" because it is the fastest moving planet!
2. Mercury's sky is black!
3. Your weight on Mercury would be 38% less than on Earth.



1. It is the 2nd brightest object in the sky.
2. One day on Venus is longer than a whole year!!!
3. It was named after the Roman goddess of beauty.

### FUN

Venus is very like Earth in some aspects but it is the hottest planet so there is no life on it. It has many volcanoes 1,600 to be exact. It is so hot (840 degrees Fahrenheit) because it has a thick atmosphere full of greenhouse gasses!

## Venus

## 3. Jupiter

Jupiter is the biggest planet in our solar system (69,911 km) & is called the 'Gas Giant' because it is mostly hydrogen & helium. Jupiter has so much gravity it would crush you & turn to many things into liquid. It has no solid ground! Jupiter is so cold reaching -150 degrees Fahrenheit.

1. Saturn in alone has 54 moons.
2. It can rain diamonds on Saturn due to the pressure.
3. Saturn is the flattest planet.

### FUN Facts!!!

Baturn is very similar to Jupiter because it is very cold (-285 degrees F) you also can't stand on it.

Saturn has several hundred rings around it these are made of pieces of comets, asteroids or shattered moons that shattered before they reached Saturn. It also contains blocks of ice & rock.

## Saturn



### FUN Facts!!!

1. It contains the largest ocean in the solar system made out of liquid H<sub>2</sub>O.
2. It has 63 moons.
3. It is 10 times larger than Earth.

1. It has the largest volcano on it, (Quin Olympus Mons) it is 2x two or a half times the height of Mount Everest.

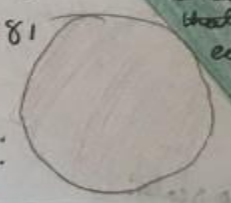
2. Mars is the 2nd smallest planet

3. It has 2 moons: Phobos & Deimos

Fun Facts

Mars is red because it has red soil, it is completely different soil than Earth because the soil on Mars is almost entirely made up of mineral matter, it also has a small amount of water. Mars is 3,389.5 km. Don't let the warm colour fool you though this planet is much colder than Earth averaging -81 degrees Fahrenheit

4. Mars (The red Planet):



3. Earth

Earth is home to all living things. It is mostly made up of water (70%) but there is also land (30%). We only have one moon (called moon because it was the only one we had found), it is our Earth's natural satellite & is around 1/4 of the Earth. Our Earth is around 60 degrees Fahrenheit but is hotter near the equator (an invisible red line going through the middle of the Earth).

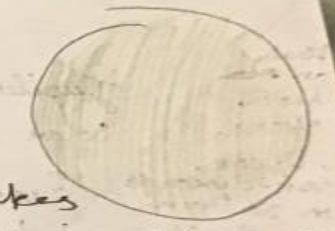


Fun Facts!!!

- 1. It's nickname is "Goldilocks planet" because it is just right
- 2. Our days are getting longer.
- 3. People used to believe that the earth was flat.

7. Uranus:

Uranus is made up of gas just like Saturn and Jupiter but one thing makes it much more unique it spins the opposite way to other planets! Scientists believe it was a large object that hit it: It is -87 degrees F & there is oftenly snow storms! It has 27 moons which are named after literary characters.

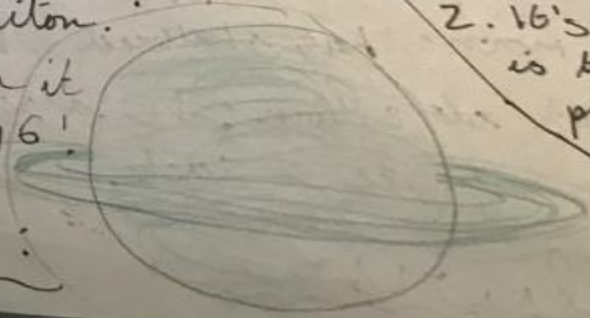


- 1. It was named after the Roman god of the sea
- 2. It is an ice giant.
- 3. It has

Fun Facts

Neptune is the coldest planet & the planet farthest away from the sun. It is -373 degrees Fahrenheit. It has 13 moons, it's largest moon is called Triton. Just like Saturn it has rings but only 6!

8. Neptune:



- 1. It was discovered in 1781 by William Herschel
- 2. It's nickname is the sideway planet.