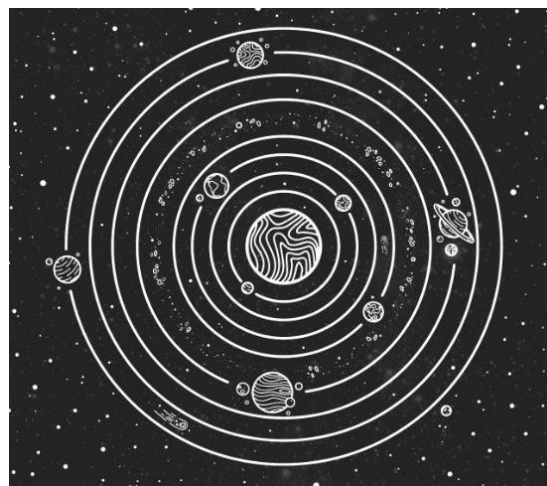


To Infinity and Beyond (Week 2)

This week, we are going to look at the solar system and its planets in a bit more detail!

Art Task: Can you create a piece of artwork which represents our solar system and its planets? It could be a drawing, colouring, painting or even a 3D model. There are loads of really cool ideas online! Perhaps use the internet to search for some inspiration!

Many images that we see of the solar system are linear (in a straight line) so it seems like the planets all line up next to the sun. In fact, the sun is the centre of our solar system. All of the planets orbit (circle) the sun. Think about how you could show this in your artwork! Don't worry about making the proportions and distances of the planets accurate in your artwork. As you learnt last week, you'd need a pretty big piece of paper and a teeny tiny pencil!



Research Task:

1. Can you research into each of the planets in our solar system and find out:
 - Their size
 - Their temperature
 - How many rings they have (if any)
 - How many moons they have (if any)
 - How far they are from the sun
 - How long it takes for them to orbit the sun
 - 1 cool fact

Before you start, can you design a table to help you record the information?

2. Now that you have all of your information, choose the planet that interests you the most and create a fact-file about it. Make it colourful and eye-catching and remember to include a picture of what your planet looks like!
If you want to challenge yourself, perhaps you could make a zigzag fact file book for all of the planets!

Moon Diary Task

Next week's Awe and Wonder tasks are all about the moon so it would be great if you could have a go at starting a moon diary this week and continuing it over the next couple of weeks. All you have to do is go outside each evening, look at the moon and draw what you see. You might want to date your drawings so you don't get mixed up. Over the next few weeks, see if you notice a pattern!

Just for fun:

You might remember from our forces topic that we talked about the difference between mass and weight. The planets in the solar system all have different levels of gravity so your weight would be different on each of the planets. Check out this cool website to find out how much you would weigh on the different planets:

<https://www.exploratorium.edu/ronh/weight/>