

## Week Beginning- 11/05/2020

### Science Challenge

Watch youtube clip :

[ABC Zoom - Refraction: why glass prisms bend and separate light](#)

2:34 long

Then, if you would like to try to create a rainbow yourself, watch this clip for a step by step guide to the experiment:

[How is a Rainbow Formed ? Science Experiment - Kids Educational Video](#)

3:44long

### Topic Challenge

Some of the most famous Ancient Greeks include:

**Plato** (c.429-327 BC) - He was a brilliant student of Socrates and later carried on his work. He gathered Socrates' ideas and wrote them down in a book. Plato founded the world's first university. He wrote down his teachings and people all over the world, even today, study the Greek philosophers.

**Aristotle** (382-322 BC) - discovered many things in science and biology. He wrote books about physics, poetry, zoology, biology, politics, governments, and more. His father was the personal physician of the King of Macedonia. When Aristotle turned 17, he went to Athens to study with Plato.

**Parmenides** - watched an eclipse of the Moon in about 470 BC, and noticed that the Earth's shadow was curved. He worked out that if the shadow was curved, then the Earth must be round.

**Archimedes** - was a mathematician and an engineer. He designed a machine, called the Archimedean screw, which could make water flow uphill. His design has been used for almost 2,000 years, to take water from rivers to the fields. Archimedes was able to tell fool's gold from real gold.

**Pythagoras** - was a mathematician. Can you find out about Pythagoras' theorem on right-angled triangles?

#### **Alexander the Great**

Alexander the Great was born in 356 B.C. in Pella, Macedonia, the son of Philip of Macedon, who was an excellent general and organizer. He was called 'the Great' because he conquered more lands than anyone before him and became the overall ruler of Greece.

Choose a famous Ancient Greek person and find out more about why they are still remembered today. Present this in any form that you would like to.

### Curriculum Challenge - Computing

Have a go at making your own quiz for a classmate or family member.

- Log on to Purple Mash
- Go to Computing
- 2Quiz
- Follow the instructions to familiarise yourself with the buttons and what they do.
- Add your questions and answers to your quiz. It could be about Maths, Grammar, Science, Ancient Greeks or General knowledge.
- Save your work.

## Maths Challenge

### Rounding Code Breaker

A	B	C	D	E	F	G	H	I	J	K	L	M
14	12.04	56.23	0.04	12	0.01	19.8	19.75	34.9	35	-1	19.7	2.4

N	O	P	Q	R	S	T	U	V	W	X	Y	Z
65	2.5	2.6	4.649	50	-3	60	4.65	59.10	19.85	10	92.33	18.6

Answer the following questions to crack my code.  
The order of the letters in each word has been muddled up.



Question	Answer	Letter
2.34 lies between 2.3 and ____		
-2.9921 lies between -2 and ____		
____ lies exactly half way between 19.8 and 19.7		
59.96 lies between 59.9 and ____		
13.8 lies between 13 and ____		

Round -3.039 to 1dp		
Round 34.92 to 1dp		

The difference between 18.45 and ____ is equal to the difference between 18.45 and 17.2		
Round 92.33333333... to 2dp		
Round 56 to the nearest ten		
Round 19.74999 to 1dp		
60.003 rounded to 2dp		
Round 13.5 to the nearest whole number		
Round 2.45 to 1dp		

Round 13.9984 to 2dp		
Round 12.03994 to 3dp		
Round 0.0052 to 2dp		
Round 19.66666666... to 1dp		
____ is the <i>smallest</i> value with a nearest whole number of 3		
Round -2.996 to 2dp		
Round 3.558 to the 2dp, then add 1.09		
Any value $>$ or $=$ to 4.55 and $<$ ____ will round to 4.6		

The answer:

\_\_\_\_ / \_\_\_\_ / \_\_\_\_\_ /  
\_\_\_\_\_.

# Pandora's Box

A long time ago in Ancient Greece, there lived two brothers named Epimetheus and Prometheus. They were good gods with very kind hearts. Zeus, the most powerful of all gods, had hidden fire from mankind, never allowing them to make tools or cook their food. Prometheus, with his kind heart, thought this was unfair.

Prometheus was clever and knew that on the Isle of Lemnos lived Hephaestus, who was a blacksmith. Zeus allowed Hephaestus to use fire to make things for the gods. Prometheus travelled to Lemnos and stole the fire from Hephaestus and gave it to man. He also taught humans civilizing arts such as writing, medicine, mathematics and science.

Zeus was furious at Prometheus and, as punishment, chained him to the side of a cliff for many years. Zeus decided that the humans also needed to be punished for their lack of respect. Zeus was creative when it came to revenge and therefore came up with a very cunning plan.

With the help of Hephaestus, he sculpted a woman out of clay. The goddess Athena breathed life into the clay and the woman came to life. Aphrodite made her beautiful and Hermes taught her how to be both charming and deceitful. Zeus called her Pandora and sent her to Epimetheus, as he knew that he was lonely.

Epimetheus went to visit his brother and Prometheus warned him not to accept any gifts from the gods. However, Epimetheus was so charmed by Pandora that he thought she could never cause any harm. Zeus was pleased that his plan was working and, as a wedding gift, gave Pandora a small box.

When Pandora was given the box, she instantly became curious. The box was locked, but had a small key and a note attached to it that said 'DO NOT OPEN!' Pandora had promised that she would not open the box, but all she could think about was its contents. Why would someone send her a box and not allow her to open it? Pandora could no longer stand the torture of not knowing what was in the beautiful box.

When she knew that Epimetheus was out of sight, Pandora placed the box on the floor and took the small gold key. She closed her eyes and took a deep breath as she unlocked the box. She opened her eyes and pulled the box open, expecting to see fine silk dresses and jewellery. But there was not one gold bracelet or fine silk dress in sight! Instead, Zeus had packed terrible evils into the box and out poured sickness, death, poverty and sadness in the form of a horrible black mass.

Pandora slammed the lid shut, but it was too late; the evils had already escaped into the world. Epimetheus heard her weeping and ran into the room to console her. Pandora could still hear a tiny voice inside the box, pleading to be released. Epimetheus and Pandora thought that nothing could be worse than the horrors that had already been released, so together they opened the box. Out fluttered hope in the form of a beautiful gold dragonfly, healing some the sickness and sorrow.

Even though Pandora had released suffering and sadness upon the world, she had also released hope, and this made all the difference in the world.

# Pandora's Box

## Comprehension Questions

1. Who was the most powerful god?

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2. How could Prometheus be described?

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3. How did Zeus punish Prometheus for stealing fire?

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4. Who else did Zeus punish?

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5. Who helped Zeus to create Pandora and how did they help?

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6. Who was given a small box?

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7. What came out of the box?

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8. Why did Epimetheus need to console Pandora?

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9. Why did Pandora and Epimetheus open the box again?

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10. Why did hope make a difference in the world?

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