

# Razorbill Week 14 : Learning Project – Scientists and inventors Online

Age Range: Y4/5

## Weekly English/Topic Tasks

## **Monday-**

This week we are looking at scientists and inventors further back in history.

Firstly Archimedes. Use online research to answer these questions. This is also part of your Google classroom homework this week.

- 1. Where was Archimedes born?
- 2. Where did Archimedes study?
- 3. Which other scientists did Archimedes study with?
- 4. What was Archimedes interested in?
- 5. What two discoveries is Archimedes most famous for?
- 6. How is it said that Archimedes discovered the law of buoyancy?
- 7. What does Archimedes' screw pump consist of?
- 8. What is the purpose of the screw pump?
- 9. Describe an example of Archimedes' Principle in action.
- 10. How did Archimedes die?

## **Tuesday-**

Leonardo da Vinci is another famous scientist and inventor. Watch these videos that explore some of his most famous works. Out of all of his inventions which is you favourite? Use persuasive language to explain your choice.

https://www.youtube.com/watch?v=PwOIIGGDVjE

https://www.youtube.com/watch?v=Rm0qszPJnc8

Wednesday- One of Leonardo da Vinci's most famous paintings is the Mona Lisa. Research the painting creating a fact file. Include how it was painted, how long it took and where it is now displayed.



#### **Thursday-SPaG**

Below are some tasks on past and present tense. This is a recap of previous learning in the Spring term. This link will help you remember if you are stuck. https://www.bbc.co.uk/bitesize/articles/zh4thbk

Can you turn these whole sentences from the past tense into the present tense?

1. I stuck my arm out and felt a paperclip ping off the back of my costume.

2. I looked into my Dad's calm, brown eyes and my chin went wobbly.

3. My lines were clear, like printed words in my head.

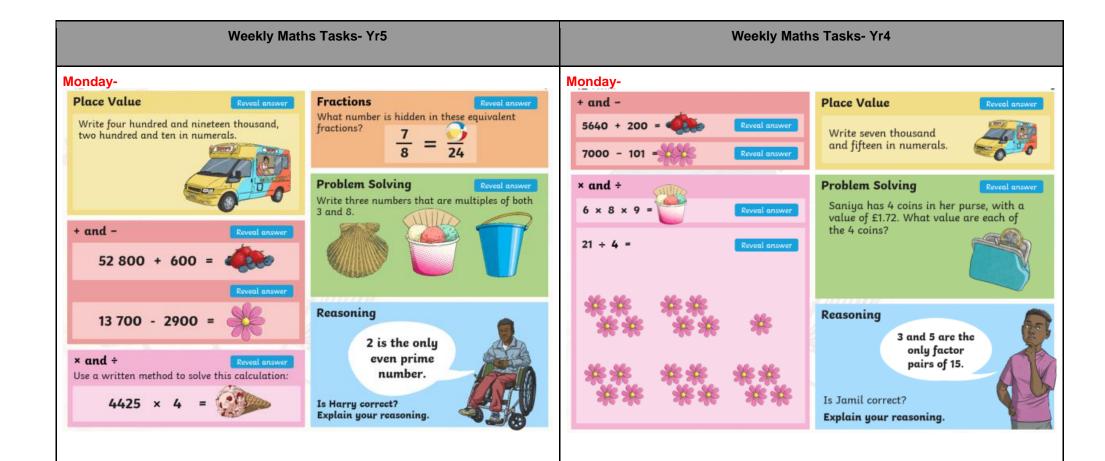
4. I blinked until my eyes stopped stinging.

Now, see if you can write this whole paragraph in the past tense.

My fingers are so sweaty that I think that the mic is going to slip from my hand. As I shuffle in front of the Merry Men, my knees jiggle and my teeth chatter. The music gallops along and my heart gallops with it. Any second, I will have to start singing. But the lights are too bright and the crowd is too big. Too late, I remember that I'm supposed to strike a dashing pose. I stick my arm out and feel a paperclip ping off the back of my costume.

### Friday-

Using your fact file about the Mona Lisa and your recap of past tense, create a back story for why 'Lisa' was painted. It could be information taken from your research or you could completely invent a back story for her. Why is she being painted? Why does she have that look on her face? Did she get painted at Leonardo's house or at hers? Be as factual or as imaginative as you like.

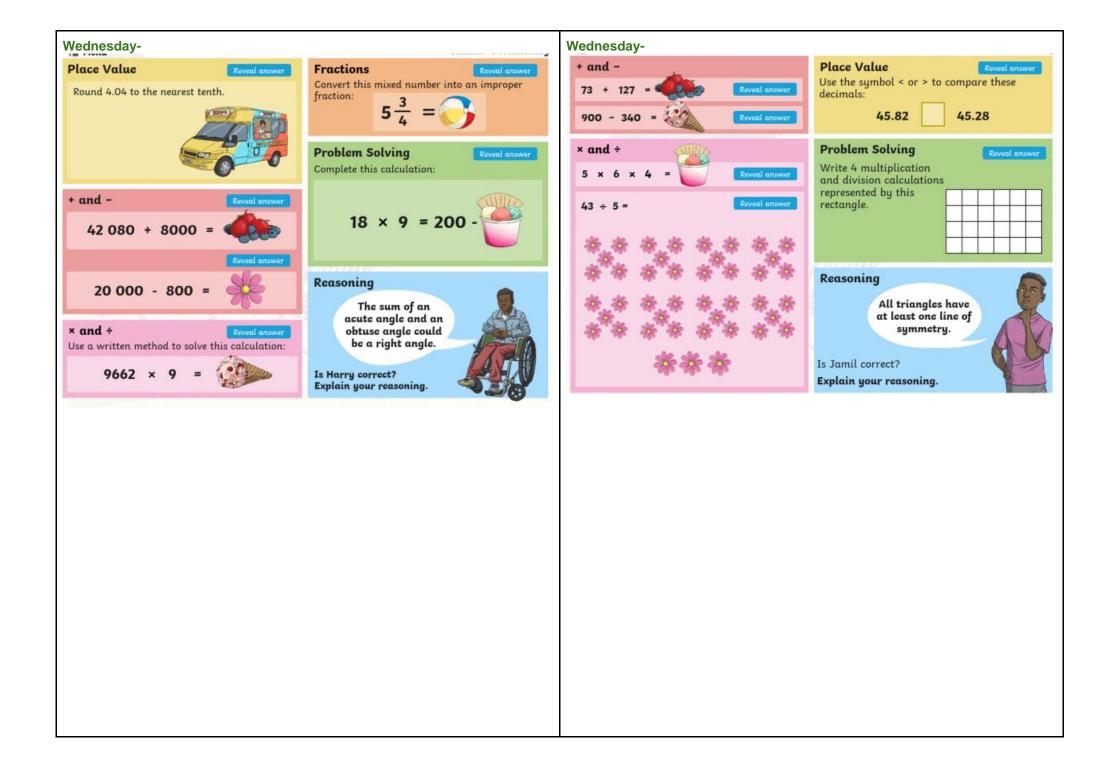


#### Tuesday-

Create a poster explaining how to find the angles of 2 intersecting lines. Refer back to the work you completed last week to help explain the process include examples and diagrams in your explanation.

## Tuesday-

Create a poster explaining how you identify different types of angle. Refer back to the work you completed last week to help explain the process include examples and diagrams explain the differences between Obtuse, Acute and Right angles.



#### Thursday-. 4 Quadrant Co-ordinates

When using 4 quadrant co-ordinates remember that your first number is your X axis (horizontal line) and your second number is the Y axis (vertical line).

Take a look at these videos <a href="https://www.bbc.co.uk/bitesize/articles/zjvbgwx">https://www.bbc.co.uk/bitesize/articles/zjvbgwx</a> and try the activities.

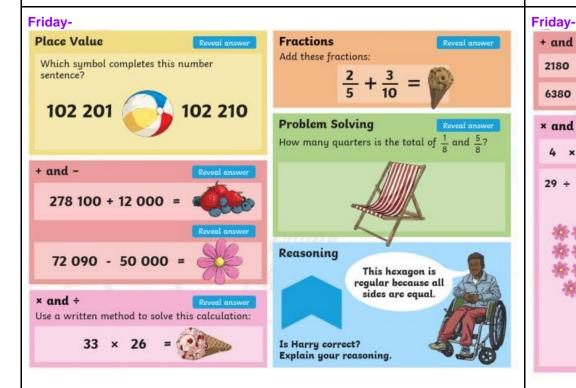
#### Thursday- Co-ordinates

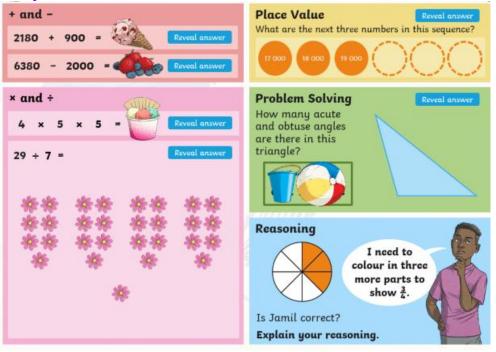
Watch through these clips about how to plot co-ordinates.

https://www.bbc.co.uk/bitesize/topics/zs7mn39/articles/zvfhhbk

https://www.bbc.co.uk/bitesize/topics/zbtp34j/articles/z6hxrj6

Using squared paper, draw a map of a room in your house or your garden adding your X and Y axis. Plot key features of the room or garden on your map listing them with their co0ordinates.





## Science/DT Weekly project

Ask a member of your house hold to pose in the style of the Mona Lisa. Can you draw them in the style of Leonardo da Vinci?

# Additional learning resources parents may wish to engage with

- CODE Maths Hub Daily Fluency Activities -
- https://www.topmarks.co.uk/maths-games/daily10 arithmetic challenges
- BBC Bitesize Lots of videos and learning opportunities for all subjects.
- <a href="https://www.thenational.academy/">https://www.thenational.academy/</a> A large selection of video lessons and learning resources. These cover a range of subjects including maths, English, art and languages.
- Classroom Secrets Learning Packs Reading, writing and maths activities for different ages.
- Twinkl Click on the link and sign up using your email address and creating a password. Use the offer code UKTWINKLHELPS.

