

W/C 25 <sup>th</sup> January	Monday	Tuesday	Wednesday	Thursday	Friday
	Lesson 1:	Lesson 2:	Lesson 3:	Lesson 4:	Lesson 5:
Maths	What is area?	Counting squares	Making shapes	Comparing area	END OF BLOCK ASSESSMENT Arithmetic Skills
(approx. 45 mins per lesson) This week our focus is: Area	Click on the link <u>here</u>	Click on the link <u>here</u>	Click on the link <u>here</u>	Click on the link <u>here</u>	Challenge yourself with our weekly number skills check.
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R			week to practise yo		
С Так		· · · · · · · · · · · · · · · · · · ·	earning on ClassDoj tfolio or Messaging section		5
English	Lesson 1:	Lesson 2:	Lesson 3:	Lesson 4:	Lesson 5:
English (approx. 45 mins per lesson) This week our focus is:	To answer a range of questions based on the poem Billy McBone.	To answer reading comprehension questions.	To identify features of a newspaper report.	To understand chronological order and the five Ws.	To gather evidence from a witness.
Newspaper Report writing	The questions and resou	· · · · · · · · · · · · · · · · · · ·	if you didn't get a particulo vour teacher a message on		ou're not quite sure why)

## Year 4: Remote Learning Schedule

PONTEFRACT

This week's spellings are: scene, seen, mail, male, bawl, ball (Remember to test yourself on Friday!)

**Reading for Pleasure** is such an important part of our curriculum – follow the link <u>here</u> to watch videos of celebrities discussing their favourite books, understanding the role of an author and a fun quiz to take part in.

<b>Reading for Productivity</b> is a fantastic way for us to expand our knowledge and understanding	Mon:	Tues:	Wed:	Thurs:	Fri:
of our wider curriculum lessons. Read the texts and answer the attached questions.	DT	Geography	PSHE	Science	Spanish

**Extended Curricular Learning** provides a great opportunity to exercise skills in foundation subjects and science. At the end of this pack, you will find 5 activities that link to our topic: one for each day. Please continue to upload your work to ClassDojo for your teacher to see!



PONTEFRACT ACADEMIES TRUST PONTEFRACT Year 4 Knowledge Organiser: Area ACADEMIES TRUST VIPs/ **<u>Right Angle</u> Rectilinear Shapes** Area is the amount of space taken A right angle can be described several ways: Rectilinear shapes are made of straight lines up by a shape or surface. and right angles. Where two lines meet at 90°. 10 cm Area is measured using squares. Where two perpendicular lines meet. 3 cm A quarter turn. Key vocabulary Count the number of squares inside the shape to find the area. Area Shape 5 cm Surface 2D Times table facts can be used to 90° calculate the area of rectangles. 3 cm Squares Space Units Squared When drawing rectilinear shapes, Rectangle Measure Rectangle the squares need to join at the Area by Counting Squares sides, not just at the corners. Rectilinear Greater than The opposite sides of a rectangle are the same length. The corners are right angles. Less than Equal to Draw shapes accurately using the lines and squares in your book. 6 m When comparing area, the same 16 m size squares must be used. To compare use greater than >, equal t $\sigma$  = and less than <. Fat Questions Does the UK have enough land to grow Intent sufficient food for the population?

How can area be used to record changes to the planet?

To understand that area is the amount of space taken by a shape or surface. To understand that area is measured in squares. To find the area of a shape, count the number of squares that fit inside it.





PONTEFRACT



Maths lesson 2:







Maths lesson 3:



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Maths lesson 4:

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#### Here are plans of two school fields.

Each has a playing field and a vegetable patch.

High Street School

#### Main Street School



a) What is the difference in the area of the playing fields?
 The difference in area of the playing fields is squares.

b) What is the difference in the area of the vegetable patches?The difference in area of the vegetable patches is

squares.

c) High Street School doubles the size of its vegetable patch.

Main Road School adds 1 square to its vegetable patch.

Which school now has the larger vegetable patch?

Show your working.

School now has the larger vegetable patch.

White Rose Maths 2019



PONTEFRACT

Maths lesson 5:



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1 mark













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## **English – Practise your spellings**

Remember to ... Look, cover, say, write and then check!

scene		
seen		
mail		
male		
bawl		
ball		

Use the first column example words to go over the letters and practise your handwriting joins. Can you write sentences for each of your spellings?



Newspaper Report Knowledge Organiser-Year 4

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## Weekly news

paper.		Тор пемара	per in the UK	Put the date have
A headline is eye-catching, short and normally a pun to	Put	uour he	adline k	Joro
draw the reader in.	- Tut	your ne		
Alliteration is often used in headlines or sub-headings to	Start your news article w	ith the basics:		graph or draw a picture of your event.
catch the readers attention.	• who			-
Introductory paragraphy that includes that five Ws.	• what			
Pictures are used which have a caption underneath.	<ul> <li>where</li> </ul>			
Facts need to be truthful.	• when.			
Written in third person and past tense.				
Quotes are written as direct speech using inverted			Write a caption	n to describe your picture
commas.	Write about the sequence your news story.	of events in	Include a quote	e from someone who was
Reported speech does not need inverted commas and is			present at the r	
used widely in newspaper reports.				
A concluding paragraph to summarise main points.				
There are two types of newspapers in the United				
Kingdom; broadsheets and tabloids.				icle by explaining what is
Broadsheet is a type of newspaper that generally focuses			happening now	
on more serious, in-depth reporting.	Draw an advert	here.		
Tabloid is a type of newspaper that generally reports on				
scandals, gossip and celebrities in a sensational way.				
Broadsheet examples include: The Times, The Telegraph,				
The Guardian.				

Intent:

You will learn about the purpose of newspaper reports and will explore the different features used within this text type.

V.I.Ps

Newspapers have a name which is at the top of the

Tabloid examples include: Daily Mail, Daily Express,

Metro, Sunday People, The Sun, Daily Star, Daily Mirror.

We will explore the uses of newspaper reports and will use chronological order, direct and reported speech to create your newspaper report.

You will create your own headline, subheading and paragraphs to structure it.

## Key vocabulary:

Captions - A sentence which explains a picture

Chronological order- time order.

Conjunction - joins sentences together. Facts - real events.

Introduction- introduces the topic.

Non-fiction - writing based on facts. Paragraphs- a group of sentences about a

topic.

Past tense - used to explain or talk about the past.

Photo- an image relating to the topic. Broadsheet - a type of newspaper that generally focuses on more serious, in-depth

reporting. Tabloid - a type of newspaper that

generally reports on scandals, gossip and celebrities in a sensational way.

Headline – used to grab the reader's

attention and try to tell the story in as few words as possible.

Opinion – a view of judgement, not necessarily based on fact.

Pun – a joke that exploits different possible meanings of a word.

Alliteration - the repetition of the same letter or sound at the beginning of words that are closely connected.

#### Fat Question:

Could society function without getting news from newspapers?







## Billy McBone

Billy McBone Had a mind of his own, Which he mostly kept under his hat. The teachers all thought That he couldn't be taught, But Bill didn't seem to mind that.

Billy McBone Had a mind of his own, Which the teachers had searched for for years. Trying test after test, They still never guessed It was hidden between his ears.

Billy McBone Had a mind of his own, Which only his friends ever saw. When the teacher said, 'Bill, Whereabouts is Brazil?' He just shuffled and stared at the floor.

Billy McBone Had a mind of his own, Which he kept under lock and key. While the teachers in vain Tried to burgle his brain, Bill's thoughts were off wandering free.

#### <u>Billy McBone - Poetry</u>

Key vocabulary: rhyming couplet, mind, burgle, wandering

#### Retrieval

1.) Where did Billy McBone mostly keep his mind?

2.) How did the teachers search for Billy's mind?

#### Inference

3.) Do you think Billy McBone would be perceived as a good pupil? Use evidence from the poem to support your answer.

#### Vocabulary

4.) 'Tried to burgle his brain'. What does the word 'burgle' mean in this line? Use a dictionary if you are unsure.

5) Find and copy the phrase in the final stanza which tells us that no matter what the teachers did, they could not burgle Billy's brain.

6) Use the above phrase in a sentence of your own.





# DAILY NEWS back to earth with a bump!

Reported by Amanda Kelper, Media Correspondent, London

Last week, British astronaut Tim Peake returned home from an incredible six month stay aboard the International Space Station (ISS), alongside his crewmates Yuri Malenchenko and Timothy Kopra. He is the first British astronaut to have lived on the ISS.

The men were launched into space on 15th December 2015 and in the months before takeoff, they trained intensively for their trip. Training involved learning to speak Russian, spending 12 days under the sea and a winter survival expedition.

During their space mission, the astronauts conducted experiments, tested out new technology and inspired the next generation of space travellers. Peake told reporters that the highlight of his trip was a spacewalk where he had to make a repair on the space station. Whilst he was 400km away from his home, Tim also ran the equivalent of the London Marathon on his treadmill.

Having circled the planet nearly 3,000 times in 186 days, the crew returned home to Earth via a Soyuz capsule, which reached speeds of up to 28,000 kilometres per hour (25 times the speed of sound). The touchdown was bumpy due to high winds, however the astronauts landed safely near the town of Zhezkazgan in Kazakhstan. They all returned in good health. Having arrived back on solid ground, the astronauts were pulled out of the capsule and carried as their leg muscles were too weak to walk. Whilst sitting in their space suits, the men were checked over by medical staff. During these checks, Peake was asked how it felt to be home, 'The smells of Earth are so strong and it's wonderful to be back in the fresh air.'



PONTEFRACT

Landing with a bump! Tim Peake lands safely in Kazakhstan.

Tim later flew from Kazakhstan to the headquarters of the European Space Agency in Cologne, Germany where he is recovering and adjusting to life back on Earth. Scientists are carrying out tests to see how his body has been affected by his time in space.

In a recent press conference, Peake commented on how he'd missed family and friends, and even the rain. Tim expressed how much he was now looking forward to spending some quality time with his family. When asked if he'd return to space in the future, he replied, '…in a heartbeat.'

His service to science has earned him an honour from the Queen. Peake was made a CMG, or companion of the order of St Michael and St George. In response, Tim said, 'I am only one privileged person in a complex team of technicians, scientists, engineers, educators, trainers and flight directors, all working in pursuit of one of the greatest scientific and technical challenges of our time – exploring our solar system for the benefit of people on Earth. This award is for them.'



- 1. Who did Tim Peake stay on the ISS with?
- 2. Explain fully how Tim prepared for his mission.

3. Why do you think Tim ran the equivalent of the London Marathon on his treadmill?

PONTEFRACT

4. What did the astronauts return to Earth in?

- 5. In which town did the astronauts land? Tick one.
  - Kazakhstan
  - Cologne
  - 🗌 Zhezkazgan
  - London

6. Find and copy a word which shows that Tim's body is changing now that he is back on Earth.

7. Why were the astronauts carried from the capsule? Tick one.

- Their leg muscles were too weak.
- Their spacesuits were too heavy.
- They couldn't be bothered to walk.
- They weren't feeling well.

8. Why do you think Tim dedicated his CMG to the entire team?



## English lesson 3:

**Task 1:** Use this features list to find examples from the text.

Feature	Example from the text
Name of the newspaper	
Headline	
Introductory paragraph -What?	
Introductory paragraph -When?	
Introductory paragraph -Who?	
Introductory paragraph -Why?	
Introductory paragraph -Where?	
Caption with a picture	
Facts about the main event	
Third person	
Past tense	
Quotes written as direct speech	
Reported speech (indirect speech)	
Paragraphs	
Chronological order	

# **DAILY NEWS** BACK TO EARTH WITH A BUMP!

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**Task 2** – Watch this <u>news broadcast</u> and, using your features list, write about the similarities and differences between a written newspaper and a news broadcast.

**For example**; Does a news broadcast have a headline? Does it still talk about the five Ws?



## **English lesson 4:**

## LO: To understand chronological order and the five Ws.

In this lesson, you will gather information and evidence about a scene from "How to Train Your Dragon" to use in your own newspaper report. The incident you are gathering information about can be found in chapter 2. This journey begins in the isle of Berk as Hiccup embarks on the first part of the Dragon Initiation Test which involved burglary. **"Inside the dragon nursery."** Read this chapter from pages 31-40.

Task 1:	Put these events	in order.
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<b>A.</b> Hiccup found one that was about the right size and fairly cool to the touch and manoeuvred it into his basket as quickly and carefully as he could.	<b>B.</b> 'R-R-R-U-U-U-U-U-N-N-N!' shouted Hiccup, grabbing Fishlegs' arm and dragging him away. The boys ran for the exit tunnel.	<b>C.</b> Their eyes were popping with excitement as they walked through the cave, hands over their noses to keep out the revolting smell, looking for the biggest dragon they could find that would fit in their basket.
<b>D.</b> The cavern was full of more dragons then Hiccup could ever have imagined existed.	<b>E.</b> It was a perilous climb. The rocks were slippery with snow.	<b>F.</b> Hiccup goes into the cave first because HE is the son of the Chief

## Why is chronological order a key feature of a newspaper report?

**Task 2:** Using the events that you have put into chronological order, create a wanted poster for Hiccup. Remember to use the five Ws to explain the following :

## <u>Crime</u>

- Who has committed the crime?
- What have they done?
- Where has this taken place?
- Why has he done it?
- When did the crime take place?

- Describe Hiccup using pages 28-30.
- Use expanded noun phrases.
- Similes.
- Subordinate clauses.
- Alliteration.
- Appearance and personality features.
- Think about your five senses when describing Hiccup.

## **Description**

Use **ambitious vocabulary** to help engage the reader and remember to **show** the reader, not tell the reader.

## E.g. He is small. His face is unmemorable.

A young boy (who was no taller than an average dustbin) had an ordinary face that blended into the crowd and was easily forgotten





WANTED

	Name:	
	Crime:	
		Last seen:
Description:		
-		Reward:
		If you have any information please contact the police.



**English lesson 5:** 

## LO: To gather evidence from a witness.

When writing a newspaper report, journalists speak to any witnesses that have seen the crime. They then use this in their newspaper report. Today you are going to be the witness to Hiccup's crime!

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## Witness 1

- 1. Where were you at the time?
- 2. What were you doing before the crime?
- 3. What time did you notice something unusual?
- 4. What did you see?
- 5. What did you do?
- 6. Can you describe anyone you saw and a sketch a picture of them?







## Levers



Levers are the simplest form of mechanism and date back to way beyond the time of Stone Age man. By using a stiff branch resting on a log, early man was able to move heavy loads such as rocks. This is similar to the way we use a screwdriver to lever the lid of a paint tin. A lever is a rigid beam that can rotate about a fixed point called the fulcrum. An effort applied to one end of the beam will cause a load to be moved at the other. By moving the fulcrum nearer to the load, you can lift a large load with only a little effort. (This is called mechanical advantage.)

## <u>Lever Class 1</u>

This is the most common type of lever. With a class 1 lever the fulcrum is in the middle. The effort is on one side and the load is on the other.





## <u>Lever Class 2</u>

With a class 2 lever, the fulcrum is at one end, the effort is at the other end and the load is in the middle.

## <u>Lever Class 3</u>

With a class 3 lever, the pivot is at one end, the load is at the other and the effort is in the middle.

## <u>Linkages</u>

A linkage is a mechanism made by connecting together levers.

•To connect the levers together you can use any type of fastening which allows free movement, for example screws, pins, paper fasteners, pop rivets etc.

•The linkage can be made to change the direction of a force or make two or more things move at the same time.

•A linkage which makes things move in opposite directions is called a REVERSE MOTION LINKAGE.

•A linkage which makes the output move in the same direction as the input is called a PUSH-PULL LINKAGE.







## **<u>Reverse Motion Linkage</u>**

As the top rod moves to the left the bottom rod moves to the right. The bars move in opposite directions. Another way of describing this linkage is the direction of movement in one rod is reversed in the other rod. The fixed pivot is the centre of rotation.

## <u>Push Pull Linkage</u>

If you want the output to move in the same direction as the input, then you would use the push-pull linkage. This consists of levers connected with two fixed pivot points.



PONTEFRACT

#### <u>Reading for Productivity – DT – Levers and linkages</u>

Key vocabulary: linkages, levers, mechanism, input, output, fulcrum

## Retrieval

1.) What is a linkage?

2.) How do you make a linkage?

3.) What is the difference between a lever and linkage?

## Inference

4.) Explain the differences in the uses of linkages and levers in present time compared to ancient times.

## Vocabulary

5.) What is a 'fulcrum'?





## Year 3 - 4 Extended Curricular Learning



## <u>DT – Dragon mechanism</u>

<u>Monday 25th January 2021 – Activity 1</u>



## <u>VIPs</u>⁄

- A lever is something that turns on a pivot.
- A linkage is a system of levers connected by a pivot.
- A mechanism is a collection of moving parts that work together.
- A prototype is a model of the mechanism used for evaluation before creating the real product.

Today, you will be designing your own mechanism. You will be drawing a dragon and you will need to think about how you would like it to look and move. Here are a couple of examples of a mechanical dragon to help with your design.



If you were to create a prototype of your product you could use the following materials; cardboard, paper, split pins, scissors, glue and coloured pencils. You need to label each part of your design with the materials you would use.

- 1. Draw your own dragon mechanism, label the materials you would use and describe your product. Think about how it would move using your RFP to help with this.
  - ✓ Year 3 can draw the front view of your dragon design.
  - $\checkmark$  Year 4 can draw the front view and the back view of your dragon design.
- 2. Watch the following video about prototypes. Design a poster all about prototypes. <u>Art and Design KS2: Product Design - BBC Teach</u>

## Deepen the moment....

Why would a prototype of a mobile phone be an important step for the development and selling process for a company like Apple?



## **Reading for Productivity Lesson 2 – Geography**

## Vegetation Belts

PONTEFRACT

Scientists divide the Earth's land into what are called vegetation regions. These areas have distinct types of plants, soil, and weather patterns. Vegetation regions can be divided into five major types: forest, grassland, tundra, desert, and ice sheet. Climate, soil, the ability of soil to hold water, and the slope, or angle, of the land all determine what types of plants will grow in a particular region.

## <u>Forest</u>

Forests are areas with trees grouped in a way so their leaves, or foliage, shade the ground. Forests can be found just about anywhere trees can grow, from below sea level to high in the mountains. From tropical rain forests near the Equator to boreal forests in cold climates close to the Arctic Circle, different types of forests can be found all over the world.

## <u>Grassland</u>

Grasslands are, as their name suggests, flat and open areas where grasses are the dominant type of vegetation. Grasslands can be found on every continent except Antarctica. Climate plays a role in the type of grassland you get.

## <u>Tundra</u>

Tundra is an area where tree growth is difficult because of cold temperatures and short seasons. Vegetation in tundra is limited to a few shrubs, grasses, and mosses. Scientists estimate roughly 1,700 different species live in the tundra, which isn't much compared to forests and grasslands. The ground is often too cold for plants to set down roots, and without plants, few animal species can survive.

## <u>Desert</u>

Deserts have almost no precipitation, or rainfall. In fact, deserts are specifically defined as areas with an average annual precipitation of less than 10 inches per year. Deserts usually have really high daytime temperatures, low night time temperatures, and very low humidity.

## <u>Ice Sheet</u>

The interesting thing about the ice sheet "vegetation region" is that there really isn't any vegetation there at all! An ice sheet is a large stretch of glacier ice that covers the land all around it for more than 50,000 square kilometres (20,000 square miles). Currently, the only ice sheets are in Antarctica and Greenland. Don't confuse the ice sheets, called polar ice caps, with other ice shelves or glaciers; an ice sheet is much, much bigger.



## <u>Reading for Productivity – Geography – Vegetation Belts</u>

PONTEFRACT

#### Retrieval

- 1. List two types of vegetation belts.
- 2. Which vegetation belt has little or no vegetation?

#### Inference

3. Why do you think forests are found the most all over the world?

## Vocabulary

- 4. What do you think the word 'vegetation' means?
- 5. Find and copy a word that means the same as rainfall.





Year 3 - 4 Extended Curricular Learning

## <u>Geography – Vegetation belts</u>



ONTEFRACT

## Tuesday 26th January 2021 – Activity 2

## <u>VIPs</u>

- Vegetation belt is an area of the planet characterised by certain plants due to climatic conditions.
- They can be divided into five major types: forest, grassland, tundra, desert and ice sheet.

- Climate, soil, how much water soil can hold, the slop or angle of the land all determine what types of plants will grow in a particular region.

Today, you will be learning about vegetation belts and how they can be divided into five major types. You will write about the five vegetation belts.

- 1. Watch this video and write down notes to help build on your understanding of Biomes and Vegetation belts. <u>https://www.youtube.com/watch?v=oYS2Xo2vsb8</u>
- 2. Write about the five vegetation belts including drawing a picture with each. Forest, grassland, tundra, desert and ice sheet.

Year 3 – Write a few sentences about the five vegetation belts and include a picture of each vegetation belt.

Year 4 – Complete an information text based on the five vegetation belts including a picture with each paragraph.

## Deepen the moment...

Which vegetation belt do you think is most suited to the United Kingdom? Give reasons for your answer.

Forest



Tundra



#### Desert



Ice Sheet



#### Grassland



## **Reading for Productivity Lesson 3 – PSHE**

## Children's Mental Health Week 2020

- Children's Mental Health Week runs from 3rd to 9th February 2020.
- It is a time for children, young people and adults to celebrate their differences.
- It is a time to know that everyone has different qualities and strengths.

The theme for Children's Mental Health Week 2020 is 'Find your Brave'. Life can sometimes be challenging and scary. Being brave does not mean that you have to cope on your own or hold things in. Instead, bravery can be about sharing worries and asking for help. It can be trying something new or pushing yourself outside your comfort zone. Being brave means finding ways to overcome challenges.

## What is Mental Health?

Mental health concerns how people feel about things in their lives such as their relationships, health, work and how they feel about themselves. Mental health is important because it can affect how people deal with different situations each day.

#### A Place2Be

- A school-based charity called Place2Be was founded in 1994.
- The charity has gone from supporting a few schools in London to supporting 294 schools nationwide.
- The charity helps children become more confident and positive through talk, creative work and play.
- They also provide school support and training to help children develop a positive self-image.
- Place2Be launched the first Children's Mental Health Week in 2015.

Place2Be want to help let people know that children's mental health is just as important as what they learn in class. Mental health improves if people have a positive view of themselves. The aim is to help children learn how to have good self-esteem and tackle life's challenges in the future.



#### Children's Mental Health Week 2020

PONTEFRACT

#### A Royal Patron

The Duchess of Cambridge has been a patron of Place2Be since 2013. She says that people who care for children must work together to help children be the best they can be.

#### Helpful Tips

These tips are suggested to help young people to improve the way they see things and improve their emotional wellbeing.

- Get outside! A little time outdoors every day is great for the whole body, including the mind.
- Talk to an adult you trust if something is worrying or upsetting you. Even if you
  think it isn't worth bothering someone about, it often helps to share with someone.
- Try and focus on a positive thing that happens every day, even if it is something small.





## <u>Reading for Productivity – PSHE – Mental health</u>

PONTEFRACT

#### Retrieval

- 1. What will you overcome by being brave?
- 2. Who is the patron of Place2Be?
- 3. True or false?

	True	False
If you need to talk about your mental health, you should talk to an adult whom you trust.		
Place2Be started Children's Mental Health Week in 2014.		
Children's Mental Health Week is a celebration of intelligence.		
Mental health means how people feel about different things in their life, such as relationships, health, work and themselves.		

#### Inference

3. Which helpful tip do you find the most helpful and why?

#### Vocabulary

- 4. Find and copy a word that means 'across the country'.
- 5. Write a synonym for the word 'improve'.
- 6. Write a couple of sentences using your answers to question 4 and 5.



## Year 3- 4 Extended Curricular Learning



## <u> PSHE – Looking after our mental health</u>

<u> Wednesday 27th January 2021 – Activity 3</u>



ONTEFRACT

#### <u>VIPs</u>⁄

Looking after mental health is ensuring the promotion of a balanced and contented mind that can help us blossom in life.

Many things in everyday life can affect our mental health and wellbeing. We can have the power to tackle and change negative mental health.

Today, you will learn about the importance of recognising mental health in yourself and others. You will be able to identify a variety of things which have a positive and negative effect on your mental and physical health. You will research different strategies to help tackle any problems you encounter. Follow the steps below for today's activity:

- 3. On a piece of paper draw two mind maps: one with the word positive and one with the word negative. From each of the bubbles write activities, people or things that have a positive or negative impact on you. In the positive think about what makes you happy. In the negative think about what makes you sad or angry.
- 4. Next, it is time to research activities that can improve your mental health. You may want to use a tablet, books or use notes from your live reading session. Make a list of different activities and strategies you can try to improve your mental health.
- 5. Create a poster giving advice on how children can keep good mental health. Use the information from your research and live session to help you. Make sure your poster is eye-catching, interesting and includes relevant information.
  - ✓ Year 3 Create a poster with 4 different ways to help maintain good mental health including an eye catching image for each.
  - ✓ Year 4 Create a poster with 6 different ways to help maintain good mental health. Include relevant images to represent each. Include a 'top tips' section with your own advice on how to stay positive and happy.

#### Deepen the moment...

One piece of advice given when someone is feeling sad is to 'write your feelings down on paper, in a diary or notebook'. Why do you think this would be helpful?

What advice would you give to a friend if they weren't feeling very happy?











## **Reading for Productivity Lesson 4 – Science**

## Magnets

Magnets are objects that give out a magnetic force around it called a magnetic field. Magnetic fields cannot be seen by the human eye but we can tell they are there by what happens to objects when near the magnet. Magnetic objects are affected by magnets. Magnets can attract some objects and can repel others. These objects are magnetic. Some objects are not affected at all by a magnet. We call these nonmagnetic.

Magnetic	Non-Magnetic
iron	glass
nickel	plastic
cobalt	wood
steel	some metals such as copper, silver, gold, aluminium

This table shows which materials are magnetic and which are not. You could test these by seeing if they respond to a magnet.

Magnetism can push or attract magnetic materials. To do this the object has to be close to the magnet so that it is in its magnetic field.

Magnets have a magnetic north pole and a magnetic south pole. If the same pole of two magnets are placed near each other they will push away (repel), while if different poles are placed near each other they will pull together (attract). The diagram below shows what happens.



The core of the Earth is thought to be made up of two magnetic metals. It is an molten alloy (mix) of nickel and iron. This means that the Earth has its own magnetic field.

It too has its own magnetic poles; north and south. That is where the names The South Pole and The North Pole come from!

This magnetic field around Earth keeps us safe from space radiation and particles.

When we try to draw magnetic fields we use lines to show the direction and the intensity of the magnetic field, just like this picture of the Earth showing its magnetic field.



#### <u>Reading for Productivity – Science – Magnetic fields</u>

PONTEFRACT

#### Retrieval

- 1. Which materials are magnetic?
- 2. What happens if the same pole is placed next to each other?
- 3. Which of the following statements are true?
- A. Magnets have a magnetic north pole and a magnetic south pole.
- B. Gold is magnetic.

C. The magnetic field around Earth does not keep us safe from space radiation and particles.

D. Some objects are not affected by a magnet.

#### Inference

4. 'Magnetic fields cannot be seen by the human eye but we can tell they are there by what happens to objects when near the magnet.' Explain what this means.

#### Vocabulary

4. Find and copy a word that means 'a course along which someone or something moves'.

- 5. What is meant by the word repel?
- 6. Write a synonym for the word 'same'.



Year 3- 4 Extended Curricular Learning

## <u> Science - Magnets</u>



PONTEFRACT

## Thursday 28th January 2021 - Activity 4

#### <u>VIPs</u>⁄

- The North and South poles are found at different ends of the magnet.
- -Repulsion is a force that pushes objects away.
- -Attraction is a force that pulls objects together.

Today, you will learn about the magnetic force which surrounds a magnet. You will observe different magnet strengths, record your finding and create a magnet game. Follow the steps below for today's activity:

- 6. A magnet can attract materials without direct contact. You are going to try a trick to investigate this. You will need a magnet, a paperclip and some string. Tie the paperclip to the string and hold steadily. Then hold that magnet underneath from far away and move closer to the paperclip. What can you see happening? Explain why you think this is happening.
- 7. There are many different types of magnets. Using the picture below research the different types of magnets online. Which magnet is the strongest?
- 8. Design a game which uses magnetic force to attract materials. You can plan, design then create your game if you have the materials. If you don't have the materials at home then you can draw your game and explain how to play it.
  - ✓ Year 3 When creating your game consider how does your game use magnetic force? Helpful words: magnet, magnetic field, metal, steal, force, pull
  - ✓ Year 4 What type of magnets would you use? Why would you use these magnets in particular? How can you make the game challenging? Could you use more than one magnet?

#### Deepen the moment...

Sarah says that the bigger the magnet the stronger is it, do you agree? Explain your answer.

Kate says the only reason the magnet picks up the paper clips is because they are not heavy, is she correct? Explain your answer.





## **Reading for Productivity Lesson 5 – Spanish**

## **Top Ten Spanish Festivals**

Spanish people like to celebrate. There are important festivals in every season: in spring there is "La Feria de Abril" and "Las Fallas"; in the summer the "Tomatina" Tomato Fight, the "Romería del Rocío" and "Sanfermines"; in the autumn All Saints Day and in winter Carnival celebrations in Tenerife, Cádiz and Águilas among others. At Christmas they have "Nochebuena" dinner on the 24th of December and "Nochevieja" on the 31st, culminating in the "Cabalgata de Reyes" or Three Wise Men Parade on the 5th of January. Easter (Holy Week) celebrations happen all over Spain as well.

## These are ten famous Spanish festivals:

#### Carnival of Santa Cruz de Tenerife

Considered the second most famous carnival in the world, with thousands of people in fancy dress dancing through the streets in floats. They elect a Carnival queen and bury a giant sardine at the end of the festival. Tomatina Tomato Fight Participants throw soft tomatoes at each other. It takes place at the end of August in Buñol (Valencia).

The

## Carnival Celebrations in Cádiz

Both the comparsas and the chirigotas are groups of people who dress up the same way. The first invent songs about famous people and the second make fun of what happens in the news.



ONTEFRACT



## Carnival Celebrations in Águila

Especially famous for the dialogue between Don Carnal (Mr Meat) and Doña Cuaresma (Ms Lent) which finishes with a battle of confetti-filled eggs.

## Las Fallas in Valencia

Figures called ninots and structures called fallas are built. There is a competition between all the structures and figures and at the end they burn them on the night called La Cremà.

## La Feria de Abril in Sevilla

For six days, this fair starts with a parade of horses and flamenco-dressed men and women. Then there is "sevillanas" (a traditional dance similar to flamenco), drinking and eating at the fairgrounds.

## Sanfermines (Running of the Bulls)

Ernest Hemingway, the writer, made Sanfermines famous by mentioning them in his book The Sun Also Rises. Early in the morning bulls are released and people run away from them along the streets of Pamplona.

#### All Saints Day

People visit cemeteries and leave flowers in honour of the dead. There are special sweets called "huesos de santo" and "buñuelos".

## The Romería del Rocio

This is a pilgrimage, a group of people that travel on foot, on horse or in horsedrawn carriages to the church of El Rocío, in the province of Huelva.

## Holy Week in Cartagena

This is a religious feast in which the processions are serious and a bit sad. Participants in the processions wear cloaks and hoods and carry religious figures that are quite heavy.





## <u>Reading for Productivity – Spanish – Spanish festivals</u>

PONTEFRACT

EMIES

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#### Retrieval

- 1. Which festivals does the text mention that happen in the Spring?
- 2. When does the Tomatina take place?
- 3. Which festival is considered to be the second most famous carnival queen?

## Vocabulary

- 4. Find and copy a word that means 'known about by many people.'
- 5. What is meant by the word invent?
- 6. Write a synonym for the word 'battle'.

## <u>Deepen the Moment</u>

Which is your favourite festival that we celebrate in Britain and why?



## Year 3- 4 Extended Curricular Learning

## <u> Spanish - Festivals</u>



ONTEFRACT

## Friday 29th January

#### <u>VIPs</u>

#### - The letter ñ in Spanish is pronounced 'ny', like the 'ni' sound in the word o<u>ni</u>on.

Today, you will review the seasons in Spanish and practise them with a family member. You will then discuss different Spanish festivals and practise having a basic conversation in Spanish. Finally, you will compare British and Spanish festivals and celebrations. Follow the steps below for today's activity:

9. There are many Spanish festivals throughout the year. Every season there is at least one festival. Your first task is to practise talking about the seasons with someone at home.

## Spring - **primavera** Summer - **verano** Autumn - **otoño** (aw ton yo) Winter - **invierno** (in vee er no)

10. Now it is time to practise a conversation in Spanish. Using the different Spanish festivals on your reading for productivity sheet, practise this conversation in English. When you are happy with it have a go in Spanish.

What is your favourite festival?	¿Cuál es tu festival favorito?
My favourite festival is <u>La Feria de Abril.</u>	Mi fiesta favorita es La Feria de Abril.
When is it?	¿Cuando es?
It's in <u>spring.</u>	Es en <u>primavera.</u>

- 11. Using the knowledge you have gained from the reading for productivity today and using the internet to research further write a list of Spanish and British festivals. Compare their similarities and difference. Which festival is your favourite?
  - ✓ Year 3 Discuss 3 Spanish and 3 British festivals, compare when and why the events happen. Draw a picture of your favourite festival.
  - ✓ Year 4 Discuss 4 Spanish and British festivals, compare when and why they happen and the significance of the festivals. Include Spanish vocabulary in brackets where possible (seasons, numbers).

#### <u>Deepen the moment...</u>

Do you think it is important to learn about other countries traditions and celebrations? Give reasons for you answer.





ONTEFRACT

## Halfpenny Lane Reading Challenge

We are continuing to run our weekly 'Reading challenge' for all of our children throughout this National Lockdown period. Whilst you are at home, we would like you to continue to read <u>at least 4 times a week</u> and fill in your reading record.

Send us a picture of your completed reading record every Thursday each week on Class Dojo for an extra Dojo point and to be put into 'the reading raffle' for a chance of winning a prize upon our return.

At the end of each week, the names of the winning classes of our reading challenge and the randomly chosen children who have won our reading raffle, will be included in our weekly newsletter and posted on our school Twitter page.

Good luck everyone and continue to read as much as you have been doing! Happy reading!









## Halfpenny Lane TT Rockstars Weekly Battles

We are continuing to run our weekly TT Rockstars battles for all of our children in Year 2 to 6, throughout this National Lockdown period. Whilst you are at home, we would like you to continue to go on and access TT Rockstars as much as you can.

Each week we will be able to see how many correct answers each of you have got and which class has won their weekly battle.

An extra Dojo point will be awarded to those children going on and accessing this each week.

At the end of each week, the names of the winning classes and the top three children with the most correct answers across school, will be included in our weekly newsletter and posted on our school Twitter page. Prizes will be awarded upon our return.

Good luck everyone and rock on!

