



**Fairfields**  
PRIMARY SCHOOL

Year 6

Spring Term 1

Home learning

08.02.21

Dear Parent / Carers

Mr Thomas has put together a weekly 'pack' of learning activities that coincides with the learning that the children will be doing in school. Below are some ideas and links to follow at home. Our theme for the next few weeks will to be 'World War 1'.

Please email the school at [enquiries@fairfieldsprimary.co.uk](mailto:enquiries@fairfieldsprimary.co.uk) should you have any questions.

To ensure that the children are motivated to complete as many of these suggested activities as possible whilst at home - we would encourage them to email us, or drop off into school (following social distancing guidelines) any work they would like to share with us at the end of each week.

Thank You

Mr Thomas

### **Suggested Timetable**

Day	English - Zoom	Maths - Zoom	Additional Learning	Home Learning
Monday	0940 - 1020	1045 - 1125	Spelling 1315 - 1345	Science
Tuesday	0940 - 1020	1045 - 1125	X	PE
Wednesday	0940 - 1020	1045 - 1125	SPaG 1315 - 1345	ILP - WWI
Thursday	0940 - 1020	1045 - 1125	X	PSHE/Art
Friday	0940 - 1020	X	X	X

**Please feel free to deviate from this suggested timetable due to family or work commitments.**

**It only acts as a guide to when we will be conducting certain learning activities in school.**

## English - Writing

### **A diary of a jungle explorer!**

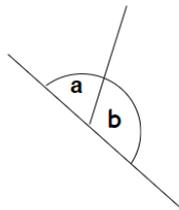
This week in English, we will be taking the skills and structure we have used in our Ernest Shackleton polar explorer diary and applying them to our independent write. We are going to switch the environment we are exploring to the jungle! We will start the week by gathering lots of ideas and vocabulary, then we will look at our structure and lenses for the write. We will finish the week with an editing lesson and a reading focus.



## Maths

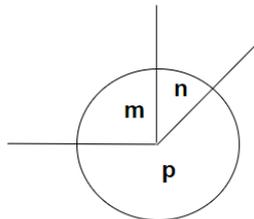
This week in Maths, we will be continuing with our topic of angles. We will start by looking at angles around a point and finding the missing angles. In lesson 2, we will look at the internal angles of quadrilaterals and find the missing angles. Lesson 3, being our wellbeing Wednesday, will be a fun number and problem solving lesson. Our final maths lesson of the week will be looking at complex problems to do with angles.

### Lesson 1



The angles on a straight line add up to  $180^\circ$ .

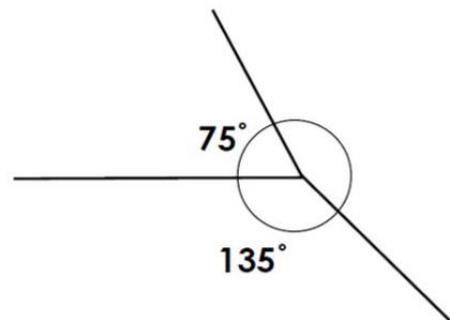
$$a + b = 180^\circ$$



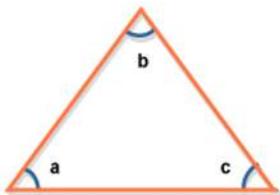
The angles at a point add up to  $360^\circ$ .

$$m + n + p = 360^\circ$$

What is the missing angle?

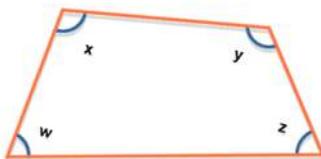


### Lesson 2



The angles on a straight line add up to  $180^\circ$ .

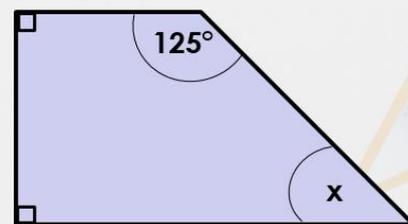
$$a + b + c = 180^\circ$$



The angles in a quadrilateral add up to  $360^\circ$ .

$$w + x + y + z = 360^\circ$$

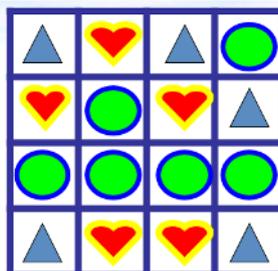
True or false? Angle x is  $50^\circ$ .



### Lesson 3

Each shape stands for a number.

The numbers shown are the totals of the line of four numbers in the row or column.



1. My age this year is a multiple of 8.

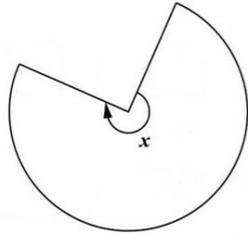
Next year it will be a multiple of 7.

**How old am I?**



## Lesson 4

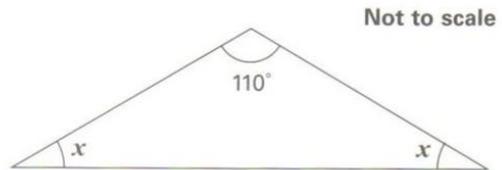
This shape is **three-quarters of a circle**.



How many degrees is **angle  $x$** ?

Calculate the size of angle  $x$ .

Here is an isosceles triangle.



**The Chilli Challenges for this week can be found at the end of this document.**

You will need nothing more than some paper and your writing materials to complete these lessons. All questions will be shared on the screen during the Zoom lesson.

# Question Generators

A number of parents and children have asked for additional 'questions' to be provided during Zoom lessons to allow children who are finished something else to calculate.

If you would like further questions to challenge yourselves - please visit

<https://mathsbot.com/generatorMenu> and have a look at the thousands of randomly generated calculations spread across hundreds of different areas of Maths.

## English - Reading

This week we will be continuing with our reading skill of summarising. In order to summarise, you need to pick out the key points from a text, including characters, beginning/middle/end and key events. We are moving on to summarising unfamiliar short texts.

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## Help!

1. Who are the main characters.
2. Where is it set?
3. What happens at the beginning/ middle/ end?
4. Are there any prominent themes?

The trees were like inky giants menacingly looming over the house with twisted, reaching arms. Their decaying leaves rustled loudly and the air smelled damp.

Lucy arrived at the door. Her chest tightened. Her eyes widened. She lifted her shaking, clammy hand to knock on the door but, before she could touch it, it creaked open...

They wouldn't find her here.

Slowly edging across the threshold, her heart began to pound. Thoughts were racing wildly around her head as she tentatively peered into the darkness, trying to see if the coast was clear. After moments of silence and stillness, she had reassured herself; judging by the state of the house, nobody had ventured there in years.

Relief.

Then, from the floors above, a small, almost inaudible voice called, "Help... me..."

1. Who are the main characters.
2. Where is it set?
3. What happens at the beginning/ middle/ end?
4. Are there any prominent themes?

Without warning, Zaina woke to find herself floating up from her bed towards a dazzling star which had appeared on her ceiling; she was pulled through it.

Within seconds, Zaina found herself landing in a dazzling land. She was standing in a supernatural meadow surrounded by mystical wild flowers and towering willow trees. Zaina was awestruck by this enchanting setting, but was most astonished by the majestic unicorns trotting towards her. She gazed around in astonishment. She had always believed that unicorns were real - her brother was clearly wrong.

Zaina could hear a voice in her head telling her that she had been chosen to save the enchanted valley. Overhead, ferocious dragons menacingly circled the dreamy wonderland desperately trying to get close enough to attack. How would she be able to help?

**Challenge: What would a good title for this story be?**

## Y5-6 SPaG

This week we will be looking at the difference between 'passive' and 'active' verbs.

This week we will be looking at how some words can be both a noun AND a verb.

# Is It a Noun or Is It a Verb?

Some words can be used as both as nouns and verbs, which can get very confusing! Try and remember this little trick to help you use these particular words in different ways within your sentences.

The word '**point**' can be both a noun and verb.

To use '**point**' as a **noun**, put a **determiner** like '**a**', '**an**' or '**the**' before it,

e.g. Henry sharpened his pencil to **a point**. (noun)

To use '**point**' as a **verb**, put the word '**to**' before it,

e.g. The little girl started **to point** out of the coach window. (verb)

1. Read these sentences. Is the underlined word being used as a noun or a verb?
  - a) The group stood at the front of the class to present their debate speech. \_\_\_\_\_  
Rubbing her eyes in disbelief, Nisha ran over to the present underneath the Christmas tree. \_\_\_\_\_
  - b) Dad was extremely pleased with the progress Billy had made in Year 6. \_\_\_\_\_  
Victoria was trying to progress into the 100m backstroke final. \_\_\_\_\_
  - c) Holly was starting to suspect that her little brother had stolen the last chocolate biscuit. \_\_\_\_\_  
After a long chase, the police officer finally caught up with the suspect. \_\_\_\_\_
2. Now, look at these sentences. Is the underlined word being used as a verb or a noun? Remember to look at the word before it to give you a clue.
  - a) The recycling club members were able to help the school caretaker by collecting all of the rubbish from the playground. \_\_\_\_\_
  - b) Mr Foster put a cover over his antique sports car in his garage. \_\_\_\_\_
  - c) During the literacy lesson, the children had to film their presentations. \_\_\_\_\_
3. Now, it's your turn. Use these words in two different sentences: one where the word is used as a noun and one where it is used as a verb.
  - a) Write a sentence using the word 'display' as a **verb**.  
\_\_\_\_\_  
\_\_\_\_\_

Write a sentence using the word 'scratch' as a **noun**.

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c) Write a sentence using the word 'wave' as a **verb**.

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Write a sentence using the word 'wave' as a **noun**.

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d) Write a sentence using the word 'lift' as a **verb**.

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3. Challenge: Can you think of two more words of your own that can be both nouns and verbs? Use each word in two different sentences: one where it is a noun and one where it is a verb.

My chosen word is \_\_\_\_\_

Used as a noun:

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Used as a verb:

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My chosen word is \_\_\_\_\_

Used as a noun:

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Used as a verb:

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## Y6 - Spelling

This week we are looking at homophones that are commonly spelt incorrectly.

whose			
<u>who's</u>			
its			
<u>it's</u>			
<u>your</u>			
you're			
there			
<u>their</u>			
they're			

### 16. Train Words

Write the entire list end-to-end as one long word. Write each new word in a different colour.  
e.g. **train****back****stop**

### 26. Writing Race

Set a timer for 2 minutes.  
See how many times you can write each word perfectly during that time.



Can you write your spellings in creative sentences?

Could you create a short poem or story using the spelling words?

## Maths Fluency

Please continue to practice your times tables fluency using the following links -

- <https://trockstars.com/> All children within Fairfield's Primary School have a log-in and are able to access all resources on either a laptop, or tablet device.
- Take a look at the following link - <https://corbettmathsprimary.com/5-a-day/>. Each day there are four different levels of maths questions you can choose to do to challenge yourself with.



## PSHE

Our PSHE topic this term is healthy eating and exercise. Please follow the link below, watch the videos and complete the activities

- <https://classroom.thenational.academy/units/eat-well-live-well-7109>

## PE

Below are links to give you a variety of different ways to get active and exercise!

<https://www.youtube.com/watch?v=Rz0go1pTda8>

<https://family.gonoodle.com/>

In addition to these links - you could also check out -

### ***Super Movers***

Description: videos which help children move while they learn. They support curriculum subjects, including maths and English.

<https://www.bbc.co.uk/teach/supermovers>

***#ThisIsPE***

Description: videos delivered by teachers focussing on the PE curriculum which are accessible on YouTube. These have been commissioned by the Association for Physical Education

<https://www.afpe.org.uk/physical-education/thisispe-supporting-parents-to-teach-pe-at-home/>

### **Active at Home**

Description: The ACTIVE AT HOME programme allows children, parents, friends and family to look at some of our fun games that are used in school. You will have access to our lesson plans, videos and diagrams to help you keep active when your children are not at school.

<https://online.succeedin.co.uk/public/index/638>

### **Sportshall athletics at home**

Description: The Home Pentathlon is a fun way for families to take part in adapted Sportshall Athletics events within their home environment.

<http://www.sportshall.org/homepentathlon>

### **Year 5 and 6 - Topic**

This week will be finishing our topic of World War 1. We are going to look in detail at the Armistice. I would like you to produce an information sheet about the it, using these questions to structure your work:

What happened on the day of Armistice?

When was it was it?

Who signed the treaty?

Why was the treaty signed?

How are the Armistice treaty and the Treaty of Versailles linked?

What were the repercussions of the Treaty of Versailles?

Below are some links that you may find useful:

[https://kids.kiddle.co/Armistice\\_with\\_Germany\\_\(Compi%C3%A8gne\)](https://kids.kiddle.co/Armistice_with_Germany_(Compi%C3%A8gne))

<https://www.funkidslive.com/learn/great-war/the-armistice-agreement-and-how-world-war-1-ended/>

## Year 5 and 6 - Science

The science lesson this week is going to continue to explore how materials can be separated from each other and the different processes that we can use to do this. There are five methods that we can use to separate different materials! The five different ways of separating materials are listed in the table below. Have a look at the table and match up the terms with their definitions. They are not in order in the table.

Can you match them together using the websites below or any online resources to help you?

Sorting	A solid and a liquid or 2 solids where one solid is magnetic
Magnetism	A solid dissolved in a liquid where the liquid is heated to a point where it is evaporated, leaving the solid behind
Sieving	1 solid and 1 liquid where the process is the same as sieving but the holes in the filter paper only allow a liquid to pass through and tiny solids can be captured in the filter paper.
Filtering	2 solids where one is much larger than the other and can be picked out by hand
Evaporation	2 solids or a solid and a liquid where one solid is large enough to stay on the sieve and the other will fit through the holes in the sieve

[What is separation? - BBC Bitesize](#)

[Separating mixtures of materials - KS2 Science - BBC Bitesize](#)

[KS2 Science Year 5 - 3b Materials - Separating Mixtures - The Schools of King Edward VI in Birmingham](#)

[Sorting and recycling materials | Separating mixtures | Siyavula](#)

[28372-Separatingmixtures.pdf \(stem.org.uk\)](#)

Watch the video below to explore the different separation methods that we can use! This video will give you an excellent understanding of how we can separate different materials from each other using the five methods. Unfortunately we won't be able to complete experiments for all of the different methods at home because it is hard to get equipment, however this video will show you what we would have completed in class!

[How can we separate mixtures into pure substances? \(thenationalacademy\)](#)

There are a range of different experiments that you can choose to complete at home surrounding the different types of separation! This will depend on the resources that you can find at home and whether you can separate the materials. Try these two experiments at home to explore how we can separate different materials:

**Sorting** - Find a packet of sweets, skittles will work really well for this experiment, and sort them into different categories. You could sort your materials by colour, size and many other categories!

**Sieving** - Collect a range of different materials around your house or garden. Try to collect a range of different materials of different sizes to see which materials will be able to be separated. Put these materials in a sieve or colander to see how the different sizes of the material affect how it can be separated. Some materials that you could try and separate at home include sieving lumps from flour, rice from salt, stones from soil, stones from sand, different sized seeds, sugar from sugar lumps, buttons in a button box, buttons and poppers, beads.

### Suggest half-term activities

We will not be setting any formal English and Maths for the half-term break as we feel that you guys have earned a break! However, we have included some suggest projects and activities to help keep you away from the video games!

### Art in Nature

Art can be created using nearly any medium; artists use **paint**, clay, charcoal, and ink to create their works. Artists like Andy Goldsworthy, though, use materials that are a little more unexpected. Andy Goldsworthy is a renowned British artist who works with found natural elements, and his work has been inspiring children and adults alike all around the world!

Can you take inspiration from a great artist and make your own piece of art?



## Have an indoor camp out

Clear a space in the living room, set up the tent and roll out the sleeping bags! Camp with all the comforts of home! Setting up a tent is an essential skill and will help develop your problems solving and collaborative working skills.



## Lego challenges

If you are lucky enough to have Lego at home, have a look at the 30 days of Lego challenges below:

Follow the instructions for each day. The only rule is to have fun and use your imagination!		Day 1	Day 2	Day 3	Day 4
Day 5	Day 6	Day 7	Day 8	Day 9	Day 10
Day 11	Day 12	Day 13	Day 14	Day 15	Day 16
Day 17	Day 18	Day 19	Day 20	Day 21	Day 22
Day 23	Day 24	Day 25	Day 26	Day 27	Day 28
Day 29	Day 30			What was your favorite day?	

### **Become an origami master**

Origami is great for improving fine motor skills and resilience (because it doesn't always go right the first time!). Follow the link below to find out how to create a whole range of animals and more!

<https://www.origamiway.com/very-simple-origami-for-kids.shtml>



Origami Horse Head



Simple Origami Lion



Simple Origami Dog



Simple Origami Cat

### **Create a newspaper bridge**

Unleash your inner engineer and design and create a bridge out of newspaper that can hold at least a bag of flour. See how much weight you can get it to support before it gives way!



## Enrichment Activities

In an attempt to keep the learning you are doing at home 'different', this week we thought we would provide you with a variety of links to activities and online learning opportunities from some of the worlds top museums, zoo, art galleries and famous tourist attractions.

We might not be able to go to any of these places in reality at the moment - but that certainly does not stop us learning about what they have on offer - take a look and see what you think!

### The British Museum, London, UK-

The British  
Museum

An online, interactive collection of the artefacts found within the British Museum, London.

### Zoological Society London (Whipsnade and London Zoo) -

<https://www.zsl.org/learning-resources#ks2>

**ZSL**  
LET'S WORK  
FOR WILDLIFE

A collection of activities for KS2 Children based around the animals, habitats and conservation of the animals at both Whipsnade and London Zoos.

### Glasgow Science Centre, Glasgow, Scotland -

<https://www.glasgowsciencecentre.org/learn/gsc-home>

GLASGOW  
**SCIENCE  
CENTRE**

A collection of activities to keep everyone inspired in these challenging times with exciting demonstrations and things you can try at home with the family. Get creative and have fun sharing science together!

### International Space Station Tour | NASA -

[https://www.nasa.gov/mission\\_pages/station/main/suni\\_iss\\_tour.html](https://www.nasa.gov/mission_pages/station/main/suni_iss_tour.html)



A virtual tour of the ISS - become an astronaut and take off with these informative and interesting activities and videos.

**Zoo Map - Chester Zoo, Chester**

<https://www.chesterzoo.org/schools/resources/interactive-zoo-map>



View some of the unique animal habitats with exclusive 360 views. Delve deeper to experience the keepers talking about our animals and find some linked online resources to support KS2 learning.

**The Tower of London, London, UK**

<https://www.youvisit.com/tour/meadk>



Visit the most notorious castle in the UK with this virtual tour of the Tower of London. Witness the spot Anne Boleyn was beheaded by her husband Henry VIII, watch the Ravens or tour the Crown jewels.

**Buckingham Palace, London, UK**

<https://www.royal.uk/virtual-tours-buckingham-palace>



BUCKINGHAM PALACE

Take a tour of the home of Queen Elizabeth II and the Royal Family.

**Houses of Parliament, London, UK**

<https://www.parliament.uk/visiting/virtualtour/>



Visit the home of democracy in the United Kingdom.

**10 Downing Street, London, UK**

<https://www.eyerevolution.co.uk/tours/10DowningStreet/>

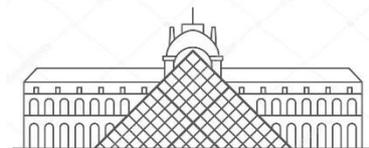


10 DOWNING STREET  
LONDON SW1A 2AA

Take a tour of the home of the Prime Minister of the United Kingdom, Boris Johnson.

**Louvre Museum, Paris, France**

<https://www.louvre.fr/en/visites-en-ligne>



LOUVRE

Visit the museum rooms and galleries, admire the palace architecture and enjoy the views! Join us on a virtual tour.



### **Vatican Museum, The Vatican - Home of the Pope**

<http://www.museivaticani.va/content/museivaticani/en/collezioni/musei/tour-virtuali-elenco.html>

A virtual tour of the Vatican City Museum, including the Sistine Chapel - painted by Michelangelo and famous for its famous for its renaissance 'frescoes'.

### **Natural History Museum, London, UK**

<https://www.nhm.ac.uk/visit/virtual-museum.html>

Delve into the Museum from home with a virtual self-guided tour of the galleries, an interactive experience about Hope the blue whale and audio guides narrated by Sir David Attenborough.



### **Dynamic Earth Online**

<https://www.dynamicearthonline.co.uk/>

Discover fun, fascinating activities created by the Dynamic Earth Learning Service, ranging from experiments and crafts, climate change science and stories, short videos, and thought-provoking reading and more! Be sure to check back in regularly for new content every week.



### **Smithsonian Natural History Museum, Washington, USA**

<https://naturalhistory2.si.edu/vt3/NMNH/>

The Smithsonian National Museum of Natural History virtual tours allow visitors to take self-guided, room-by-room tours of select exhibits and areas within the museum from their desktop or mobile device.



### **Eden Project, Cornwall, UK**

<https://www.edenproject.com/visit/whats-here/virtual-tour-of-the-rainforest-biome>

You can see what the Tropical Biome looked like during lockdown by taking a virtual tour of 360° images and videos.



### **Stonehenge, Wiltshire, UK**

<https://www.english-heritage.org.uk/visit/places/stonehenge/history-and-stories/stonehenge360/>



Take an interactive tour of Stonehenge with our 360 degree view from inside the monument. Select the hotspots to find out more. Or switch to Skyscape and relax and enjoy a live view from within the stone circle.

### **Machu Picchu, Peru**

<https://www.youvisit.com/tour/machupicchu>

Stand atop the world-famous city of Machu Picchu, Peru and retrace the footsteps of the ancient Inca civilisation.



### **The Pyramids of Giza, Egypt**

<https://www.google.co.uk/maps/about/behind-the-scenes/streetview/treks/pyramids-of-giza/>

Take a virtual tour of the famous Pyramids in Egypt.



### **Eiffel Tower, Paris, France**

<https://www.google.co.uk/maps/about/behind-the-scenes/streetview/treks/eiffel-tower/>



With stunning views across the French Capital City, get ready to climb the 674 steps to the very top of the Eiffel Tower.

## Chilli Challenges

### Lesson 1



Five equal angles all meet around a point.

What is the size of each angle?

Explain how you know.



8a. Use the hints to work out the angles.



Five angles make up a full turn.

Angle A is a right angle.

Angle B is half of angle C and together they equal  $165^\circ$ .

Angle D is a multiple of 10.

Angle E is 1-digit.

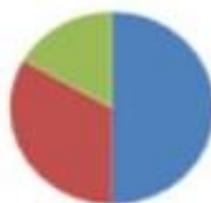
What are the 5 angles?



Here is a pie chart showing the colour of cars sold by a car dealer.



### Sales



- Blue
- Red
- Green



The number of red cars is twice the number of green cars.

The number of blue cars is three times the number of green cars.

Work out the inside of angle of each section of the pie chart.

## Lesson 2



Tom says:

All quadrilaterals have at least one right angle.

Draw two different shapes to prove Tom wrong. Measure and mark on the angles.



True or false? Explain why.

- a) A parallelogram with a right angle is a rectangle.
- b) A trapezium with a right angle is a rectangle.
- c) A rectangle with equal sides is a square.