

Week Beginning Monday 5th July 2020

Weekly Spellings: Adding the suffix -ous (Words ending in 'y' become 'h' and words ending in 'our' become 'or') - **various furious glorious victorious mysterious humorous glamorous vigorous**

Practical STEM activities: See the table of 10 activities below which will help to develop children's science, technology, engineering and maths skills. These activities are easy to resource and provide children with the stimulus to talk about the world around them. If you see a link you can explore how to extend these activities, you will need to sign up, for free, to access these materials.

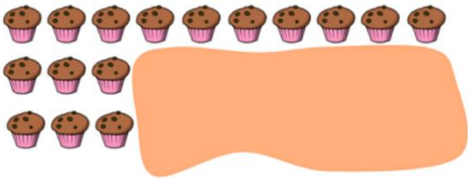
	Reading/Writing	Maths	Foundation	Physical
Mon	<p>Revising conjunctions</p> <p>Home learning focus To revise coordinating and subordinating conjunctions.</p> <p>Online lesson link:</p> <p>https://www.bbc.co.uk/bitesize/articles/zrn796f</p> <p>Learn</p> <p>Conjunctions are used to add additional information to sentences.</p> <p>Coordinating conjunctions are used to join together two equally important clauses in a sentence. The two clauses are independent - they would make sense on their own.</p> <p>For example: It was raining outside <u>so</u> I put on my coat.</p> <p>Subordinating conjunctions are words such as because, as, while and until. They link a main</p>	<p>Introducing line graphs</p> <p>Online Lesson Link:</p> <p>https://www.bbc.co.uk/bitesize/articles/zqv8bqt</p> <p>Home learning focus</p> <p>In this lesson you will learn how to read values from a line graph.</p>	<p>Musical Monday!</p> <p>The Sea</p> <p>This week's topic is The Sea, and here are two very different French musical pieces to get us in the mood for The Sea, or as they say in French, La Mer.</p> <p>La Mer A classic French Jazz song by Charles Trenet, first recorded in the 1940's - and used in the final scene of Mister Bean's Holiday! Enjoy...</p> <p>https://youtu.be/0lykn4mBT9U</p> <p>La Mer By Claude Debussy, a French composer who actually finished this piece of music on the South Coast of England!</p> <p>https://youtu.be/0lykn4mBT9U</p> <p>Sea Shanties Many British Sea Songs were sea shanties which were sung by sailors as they worked on the ships. You can find hundreds of these songs online. Here is Santiana, a shanty in a traditional style from The Longest</p>	<p>GoNoodle! Follow the link below and select 'for families' to complete a GoNoodle video of your choice. This can be accessed on computers, phones or Ipads.</p> <p>https://family.gonoodle.com/</p>

	<p>clause and a subordinate clause together in a sentence. They help to add the extra information that tells us when, why or where something happens. For example: Mark laughed <u>because</u> the joke was funny!</p> <p>'Mark laughed' is the main clause. It makes sense all on its own.</p> <p>'Because the joke was funny' is the subordinate clause. It adds additional information to the main clause and wouldn't make sense on its own.</p> <p>'Because' is the subordinating conjunction. It helps to add the extra information to explain why Mark was laughing.</p> <p>Top tip!</p> <p>Subordinating conjunctions can go in the middle or at the start of sentences.</p> <p>For example: <u>Because</u> the joke was funny, Mark laughed.</p> <p>Try the activity below this timetable.</p>		<p>Johns: https://www.youtube.com/watch?v=nD4gLEBGSK_E</p> <p>Here are three collected by Ralph Vaughan Williams and adapted into a more classical style: https://youtu.be/00r8HoWtpxM</p> <p>Notice how the music is played only on Woodwind, Brass and Percussion instruments, like in a Military Band, which reflects the fact that many sailors were also fighting men in the Navy. Did you know that the word "shanty" comes from the French to sing, "chantez"... Well you do now!</p> <p>Make an Ocean Drum You can even make the sound of the waves on the shore at home, with this simple activity. https://kinderart.com/art-lessons/multic/make-ocean-drum/</p> <p>Sun, Sea and Song! Songs and stories about buried treasure, stowaways, sea storms and more!! For younger children. https://www.bbc.co.uk/teach/school-radio/music-ks1-sun-sea-song-index/zr4x2sg</p>	
Tues	<p><u>Using bullet points</u></p>	<p>Interpreting line graphs</p> <p>Online Lesson Link: https://www.bbc.co.uk/bitesize/articles/z9prsk7</p>	<p>Practical STEM</p> <p>See the STEM starters below or the additional activities – take your pic!!</p>	<p>Cosmic Kids Yoga</p> <p>Choose a yoga session of your own, from the Cosmic Yoga YouTube channel:</p>

<p>Home learning focus.To understand when and how to use bullet points.</p> <p>Online lesson link: https://www.bbc.co.uk/bitesize/articles/zcvdg7h</p> <p>Learn Bullet points are used to organise and structure writing. They make long or complicated pieces of text easier to read and understand.</p> <p>Bullet points can be used to break up complicated information into a list, making it easier to read.</p> <p>For example: I went to the park and I played on the swings, the slide, the monkey bars, the merry-go-round and the balance beam.</p> <p>Can become:</p> <p>I went to the park and I played on the:</p> <ul style="list-style-type: none"> • Swings • slide • monkey bars • merry-go-round • balance beam <p>Top tips!</p> <p>Don't forget to place a colon (:) before the items in a list.</p>	<p>Home learning focus</p> <p>Learn how to read and interpret line graphs.</p>		<p>https://www.youtube.com/user/CosmicKidsYoga</p>
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	<p>Keep the introduction sentence so the reader knows what the bullet point list is about. You do not need to include the word 'and' in a bullet point list.</p> <p>See activities below timetable</p>			
Wed	<p>Enjoying reading Home learning focus</p> <p>To understand what authors do and review a book you've enjoyed.</p> <p>Online lesson link: https://www.bbc.co.uk/bitesize/articles/z2ycf82</p> <p>Learn People who write books are called authors.</p> <p>An author chooses everything about a book:</p> <ul style="list-style-type: none"> • where it is set • what happens • who the characters are • what those characters are like <p>This is called authorial intent.</p> <p>Authors also think hard about what they want their readers to feel when they are reading their books.</p>	<p>Identifying angles Online Lesson Link: https://www.bbc.co.uk/bitesize/articles/zy3jcmn</p> <p>Home learning focus: In this lesson you will learn how to recognise angles that are greater than, equal to or less than a right angle. You will learn to use the terms acute and obtuse.</p> <p>See activities and information below.</p>	<p><u>Design skills</u></p> <p>Home learning focus: Learn the basics of design skills.</p> <p>Online lesson link: https://www.bbc.co.uk/bitesize/articles/zsj6wnb</p>	<p>PE with Joe Wicks</p> <p>Available each morning via his YouTube channel: https://www.youtube.com/user/thebodycoach</p>

<p>When someone reads a book and really likes it, they often read other books by the same author. This is because they enjoy how that author writes and how that author makes them feel.</p> <p>For example: Lots of people enjoy reading Roald Dahl's books because they know they're usually funny, have interesting characters and will be written in a way that makes them feel happy.</p> <p>Activity</p> <p>Now think about a book you've enjoyed reading or listening to. You're going to review that book and the author - just like Ade did in the video.</p> <p>Fill in the book review activity sheet explaining what you like about that book and the way the author writes.</p> <p>Look at the questions in each box to help you.</p> <p>Either print off the sheet and fill it in, or copy out the subheadings onto a piece of paper.</p>			
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<p>Thurs</p>	<p>Bitesize Daily Book Club: Agents of the Wild: Operation Honeyhunt by Jennifer Bell and Alice Lickens Home learning focus: Using the book <i>Agents of the Wild: Operation Honeyhunt</i> you will learn how to interpret information and carry out your own research.</p> <p>Online lesson link: https://www.bbc.co.uk/bitesize/articles/z68tjsg</p> <p>Learn <i>Agents of the Wild: Operation Honeyhunt</i> Agnes is eight years old and is recruited by an elephant shrew - a type of small mammal - named Attie to work for SPEARS (the Society for the Protection of the Endangered and Awesomely Rare Species). She is trained to become an Agent of the Wild and her first mission, Operation Honeyhunt, takes her to the Brazilian rainforest to find an endangered and lost bee. Will Agnes pass the test to become an Agent of the Wild?</p> <p>In the first extract she meets Attie, the elephant shrew. In the second extract Commander Phil explains her first mission to her.</p> <p>See activities below linked to Extract one from this book.</p>	<p><u>Maths Challenges!</u></p> <p>Challenge 1</p> <p>30 cakes are arranged in an array. Some of the cakes are hidden.</p>  <p>How many cakes are hidden?</p> <p>Challenge 2</p> <p>Work out the missing numbers.</p> $10 \times 2 = 5 \times \text{blue circle}$ $10 + 2 = 5 + \text{orange triangle}$ $10 \div 2 = 5 \div \text{green square}$ $10 - 2 = \text{yellow heart} - 5$	<p><u>Oil and Water Painting!</u></p> <p>See activity below timetable.</p>	<p>Set up this circuit in your garden or living room. Do each stage for 1 minute. Then rest for 1 minute.</p> <p>Stage 1: Jumping jacks. Stage 2: Running on the spot. Stage 3: Standing jumps Stage 4: Air punches Stage 5: Press ups Repeat.</p>
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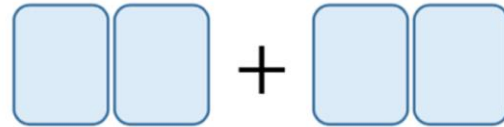
Challenge 3

Danni has these four digit cards.



Danni uses all four cards to make two 2-digit numbers.

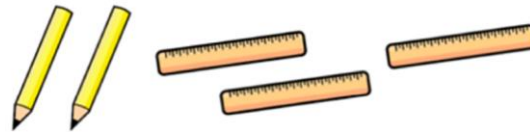
She then adds the two numbers together.



What is the greatest total she can make?

Challenge 4

Sonny buys 2 pencils and 3 rulers.



Each pencil costs 69p.

Sonny pays with a £5 note and receives £1.07 change.

How much does a ruler cost?

Fri

SPELLING: Adding the suffix -ous
(Words ending in 'y' become 'h' and
words ending in 'our' become 'or') -
various furious glorious victorious

Times Tables Rockstars

Use the app to practise all of the multiplication and
division facts up to 12 x 12.

Bubble Cubes!

See below timetable for activity.

KidzBop Kids

	<p>mysterious humorous glamorous vigorous</p> <ul style="list-style-type: none"> • Look at each of your spellings – are there any which you know the meaning of with confidence? Are there any which you are unsure of? • Using a dictionary, or your grown-ups, find the definition of each spelling. • Using this knowledge, can you use each spelling in a sentence? • Now practise writing each spelling repeatedly, perhaps in different sizes, font and colour! <ul style="list-style-type: none"> • Challenge: Can you find any other words which fit this spelling rule? 			<p>Choose a guided dance via the Kidz Bop YouTube channel:</p> <p>https://www.youtube.com/user/KidzBopKids</p> <p><u>OR</u></p> <p>Can you set up your own garden obstacle course? Can you include a balance, a turn, a jump and at least 2 different ways of travelling? See if your grown up can complete your course after you.</p>
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Make a rain gauge

Get some help to make a rain gauge from a plastic bottle

<https://www.science-sparks.com/weather-make-a-rain-gauge/>.

Making sound shakers

Collect some different containers with lids, make sure you cannot see through them. The small plastic containers from inside chocolate eggs work really well. Put different materials in the containers. (Stones, rice, sugar, paper clips etc.) How many shakers can you make? Do they all sound the same? Can you make a shaker that is difficult to recognise? Can you make loud and quiet sounds with them?

For more ideas take a look at the full resources: <https://bit.ly/3berawB>

Fruit Solar System

Find out the relative size of the Sun and each planet and match it to the different kinds of fruit listed in the activity below. Then create your own model of our solar system using fruit. You can choose different fruit or other similar sized objects, if you don't have all of the fruit at home.

<https://www.stem.org.uk/rxyx3>

Stages of Life

Did you know that childhood is a stage in the life cycle of a human? What other stages are there in the human life cycle? Draw a picture of the stages and label them. Can you name some things that a human is able to do at each stage?

Who was Mary Anning?

Research who Mary Anning was and why her finds were so important. Once you've found out all about her, can you teach someone else? Maybe make a fact file, a PowerPoint or use drama like here:

<https://bit.ly/2BL0o26>

Terrific Teeth

Take a look in your mouth, you need to use a small mirror to do this. Can you find 3 different shapes of teeth? Draw a picture of your mouth and show where the different types of teeth are. Why do you think they are shaped differently? What does each type do?

<https://www.stem.org.uk/rxespz>

Spot the plant

Use The Great Plant Hunt identikit to see if you have any of the plants listed in your local area. Can you observe one of the plants carefully and sketch it?

<https://www.stem.org.uk/rx33hu>

Types of materials

Objects are made out of different materials because their properties are most suited for the job the object does.

Watch this video to understand a bit more:

<https://bbc.in/3iboiUV>

Now look in your house. Find an object and decide what material it is. Why has that material been used?

Mission X – Astro food

Collect a variety of plant foods from home or download the cards from this resource: <https://bit.ly/3aa2Ryr>

Group the food/cards e.g. fruits, seeds, vegetables.

Please be quiet!

Find something that makes a loud noise, like an alarm clock, or a noisy toy. Set it down at one end of a room and walk a few steps away. Does it sound as loud? Continue walking and stopping to listen to the sound. What happens to the sound the further you walk? Can you think of a way of making the sound quieter?

<https://www.stem.org.uk/rxzb9>

Computer Malfunction

All of Miss Mason's sentences below have been extended with a subordinate clause. However, her computer has mixed up the sentences and now the subordinate clauses don't match the main clauses. Help Miss Mason by matching the main clause to the correct subordinate clause so that each sentence makes sense.

The bride was looking forward to the wedding

Keisha and Teneisha were eating parkin cake

Ryan's teacher said that he would receive a class point

Asif played on his tablet computer

Tracey put up her umbrella

Jeremy ate his food quickly

Marmaduke, the ginger cat, climbed onto the sofa

Noah helped to stir the food in the pan

because it was Bonfire Night.

after he had finished his homework.

because he was extremely hungry.

when his owners were out shopping.

if he finished all of his work.

whilst his dad chopped the vegetables.

although there were lots of wedding-related jobs still to do.

before she stepped out of the front door.

Challenge

Pick three of the main clauses from above. Re-write the sentences and add your own subordinate clause to make a complex sentence.

Colin needs your help to complete the sentences below. He needs to place the best conjunction into each sentence to help him to join both of the independent clauses together. Help him by writing the best co-ordinating conjunction in each sentence.



and

so

but

or

1. I wanted to play outside _____ it was raining.
2. Gemma was feeling really tired _____ she went to bed.
3. Sergio didn't know whether he should tidy his bedroom _____ whether he should do his homework first.
4. I like to watch gymnastics _____ I cannot perform any of the moves.
5. Aaron fell over _____ he bumped his head.
6. I took my dog for a walk _____ we both got muddy.
7. Would you like to play with building bricks _____ would you prefer to play with your action figures?
8. Amina was feeling hungry _____ she ate a sandwich.
9. I wanted to go to the beach _____ Dad said that we couldn't today.
10. Charlie went to the shop _____ he bought some chocolate.

Using bullet points

Write a **bullet point list** of all the things you can find inside the human body.

You need to include:

- An **introduction sentence** explaining what the list is about.
- A **colon (:) in the right place.**
- Each thing inside the body on a new line.

Top tip!

You could start by writing: '**Inside the human body, there is:**'

Activity 3

Convert these sentences into **bullet point** lists.

1. Humans have five senses which are sight, smell, hearing, touch and taste.
2. To help some bodies to work their best we use glasses, hearing aids and wheelchairs.
3. The human body is strong, hard-working and comes in all shapes and sizes.

Book Review

Book Title: _____

Author: _____

Fiction or Non-fiction: _____

Who would you recommend the book to? Why?

What is the book about?

Book
Illustration

Rating:



Can you write three facts you have learnt or three things you have learnt about one of the characters?

1. _____

2. _____

3. _____

Extract 1

'I'm home!' Agnes shouted, returning to her twenty-sixth-floor flat.

'That's nice, Agnes,' Uncle Douglas called to her from the kitchen. Agnes peered through the doorway at him. He was sitting at their dining table, hunched over his laptop, all attention focused on the screen. Behind him, Agnes noticed a pot of pasta about to over-boil on the stove, like always.

She shook her head and left Douglas to it, then trudged across the hall to her room. When she opened her door, she froze. There was a something on her bed.

It was about the size of a large hamster, but it had a long tail and small ears and its body was covered in shiny fur that changed colour from fire-orange on its head, to jet black everywhere else. Its two blacker-than-night eyes were ringed in snow-white hair.

It blinked at Agnes and rolled onto its hind legs; and that's when Agnes noticed the most curious thing about it – it was wearing a tiny safari uniform: sand-beige, perfectly ironed and festooned with pockets.

'Er ... hello,' Agnes managed, venturing slowly in and shutting the door quietly behind her.

If Douglas saw she had an animal in her room, he'd go crazy. She took a deep breath, trying to control her shock. Studying the animal's features, she made an educated guess. 'Are you a possum?'

The creature's arms flew to its hips as it puffed out its chest. 'A POSSUM?' it exclaimed.

Agnes fell back against her bedroom ^[1]_{SEP}door. The furry not-a-possum creature could speak? She didn't understand how it was possible... Was it some kind of trick? She stepped closer, her heart thudding like a train.

'I, uneducated one, am an ELEPHANT shrew, species *Rhynchocyon petersi*.'

Agnes stumbled to repeat the phrase.

'Rin-cho-sion...'

'Never mind, girl. Never mind,' the elephant shrew said. 'There's no time for introductions.' He pointed to a badge pinned to the lapel of his safari shirt. 'I'm a field agent for SPEARS, and I need you to come with me, now.'

Think about the following:

- What is the mission that Commander Phil is talking about?
- What do we know about the missing bee?
- Do you think they will get there on time?
- What is it like when she gets there?

Read the extract above again. Focus on what happens when Agnes sees the elephant shrew: *Studying the animal's features, she made an educated guess. 'Are you a possum?'*

Write a short paragraph to answer the following question:

The elephant shrew is offended by this question. Do you agree or disagree?

Top tip!

Go back to the text and skim and scan for evidence that will support you.

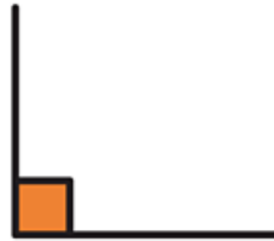
Look for reactions and descriptions.

Learn

An angle is a measure of a turn, measured in degrees or $^{\circ}$. There are 360° in a full turn.

A **right angle** looks like the corner of a square or the edge of a book.

It is a perfect 90° , which is often shown by a small square drawn in between the two lines.

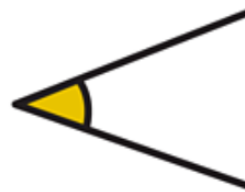


An **obtuse angle** is an angle that is bigger than 90° degrees, but doesn't reach a straight line at 180° .

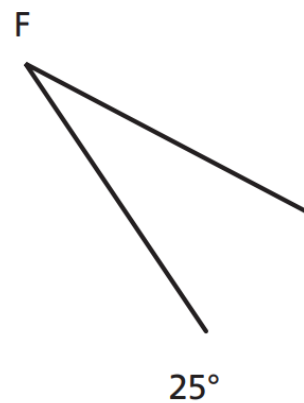
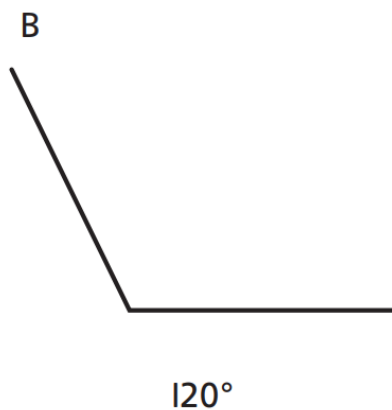
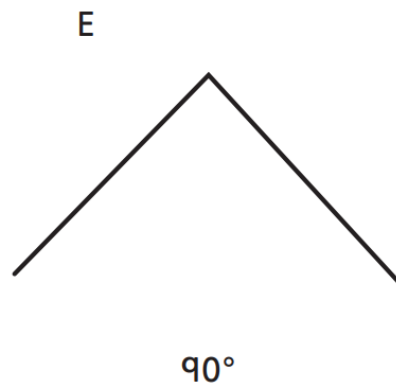
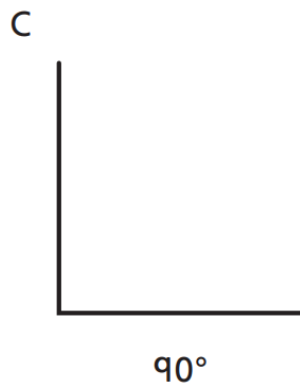
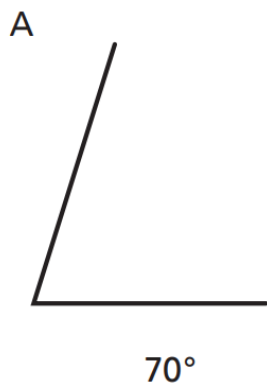


An **acute angle** is an angle that is less than 90° . This makes them smaller than a right angle.

A good way to remember this angle is to think that because it is small, it is “a cute” angle.



- I Find out if each angle is greater than, equal to or less than a right angle.



In maths, **acute** means less than a right angle, and **obtuse** means greater than a right angle.



Oil and Water Painting

You will need:

- Shallow baking dish
- Cooking oil
- Liquid watercolour (or water dyed with food colouring)
- Paper (the thicker the better)
- Pipette (or spoon)



1. Put a small amount of coloured water (or liquid watercolour) in the bottom of a shallow, rectangular baking dish.
2. Pour a bit of oil into a smaller bowl
3. Use a pipette or spoon to add small droplets of oil to the coloured water (not too much otherwise the paper will only pick up oil).
4. Lay the sheet of paper on top of the water and oil then lift it out. Leave it to dry completely.
5. Once dry, you may wish to iron your painting between 2 brown paper bags or pieces of paper to lift the oil.

THE SCIENCE

Oil and water don't mix because water likes itself (cohesion) more than oil. Oil is *non-polar*, which means it's "afraid of water" so it doesn't like to mix. Water molecules are more attracted to other water molecules than oil molecules because they are *polar*. Oil only likes non-polar molecules and water only likes polar molecules.



@MrsBpriSTEM



Bubble Cubes

You will need:

- Bubble mixture (see below)
- Something to make a frame – pipe cleaners or K'NEX work well
- Deep bowl/bucket



1. Make your bubble mixture (enough to fill the deep bowl/bucket).
2. Use pipe cleaners or anything you have available at home to make a cube frame. Even rolled up paper and tape might work!
3. Dip your frame so it is completely submerged in the bubble mixture.
4. Giving the cube a gentle shake helps the soap film even out and causes excess solution to drip back into the bucket. Set the bubble cube on a flat surface to keep the bubble film stable.

Bubble Mixture - add 2 tablespoons of granulated sugar and 4 tablespoons of dish soap to 500ml of warm water then gently stir (avoiding foam). For best results, leave for 24 hours.

THE SCIENCE

Bubbles use a minimum amount of surface area needed to enclose the volume of air trapped inside. In this activity, however, as you dip the cube into the bubble solution, the solution stretches between the edges and the soap film clings to the sides of the cube. This causes the bubbles to appear cubic. The soap film connects the shortest possible distance while still connecting all sides. Notice, however, that even the bubble you blew into the centre at the end bulges slightly on its sides. Bubbles love a spherical shape!