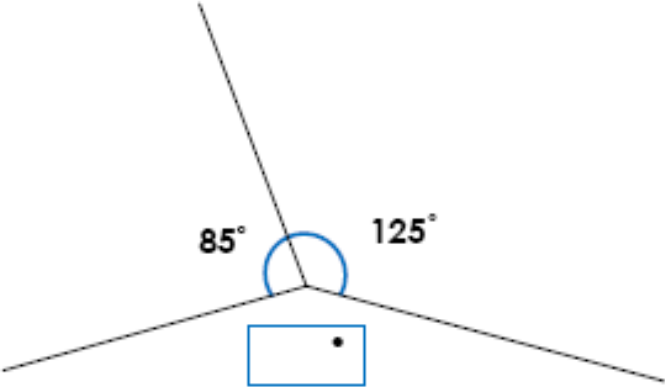
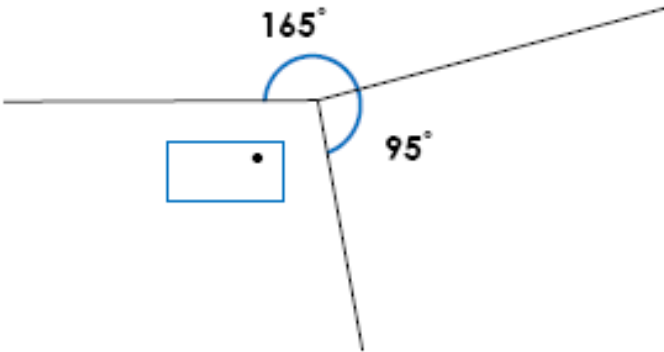


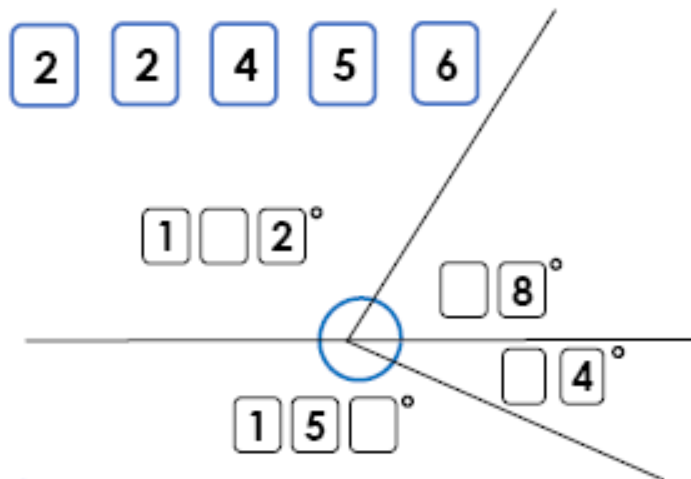
## Year 5 Learning at Home Week 2, Session 2

### Maths

We have been learning about angles in Maths. Use your knowledge of angles to solve the following problems:

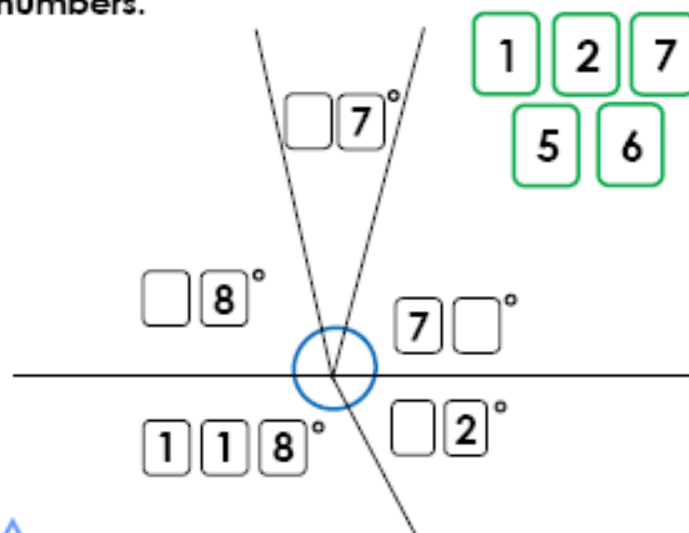
<p><b>1a. What is the missing angle?</b></p>  <p>85° 125°</p> <p>VF</p> <p>☆</p>	<p><b>1b. What is the missing angle?</b></p>  <p>165° 95°</p> <p>VF</p> <p>☆</p>
<p><b>2a. Three angles make up a full turn.</b> These are 2 of the angles:</p> <p>75° 155°</p> <p>What is the value of the third angle?</p> <p>VF</p> <p>☆</p>	<p><b>2b. Three angles make up a full turn.</b> These are 2 of the angles:</p> <p>80° 165°</p> <p>What is the value of the third angle?</p> <p>VF</p> <p>☆</p>
<p><b>3a. Circle 3 angles that will add up to make a full turn.</b></p> <p>125° 175°</p> <p>60° 75°</p> <p>VF</p> <p>☆</p>	<p><b>3b. Circle 3 angles that will add up to make a full turn.</b></p> <p>115° 55°</p> <p>85° 160°</p> <p>VF</p> <p>☆</p>

4a. Use the digit cards to fill in the missing numbers.



PS

4b. Use the digit cards to fill in the missing numbers.



PS

5a. Alfie is cutting a cake. First, he cuts the cake into 2 equal halves. Then, he cuts one half of the cake into 3 equal pieces. He cuts the other half of the cake into 2 unequal pieces. One of these pieces makes an obtuse angle. Alfie says that one of the three equal pieces of cake is bigger than the smaller unequal piece. How is this possible? Explain your answer.

You could draw a diagram to help you.



R

5b. Evie is cutting a meat pie. First, she cuts the cake into 2 equal halves. Then, she cuts one of the halves into 4 equal pieces and the other half she cuts into 3 unequal pieces. One of the unequal pieces is a right angle. Evie says that one of the other unequal pieces is smaller than one of the 4 equal pieces. How is this possible? Explain your answer.

You could draw a diagram to help you.



R

6a. Use the hints to work out the angles. Four angles make up a full turn.

Angle A is half of a right angle.  
Angle B is double angle A.  
Angle C is a third more than Angle B.  
Angle D is an obtuse angle and a multiple of 5.

What are the 4 angles?



PS

6b. Use the hints to work out the angles. Four angles make up a full turn.

Angle A is a multiple of 5 and 7.  
Angle B is triple angle A.  
Angle C is an obtuse angle.  
Angle D is a third of angle C.

What are the 4 angles?



PS



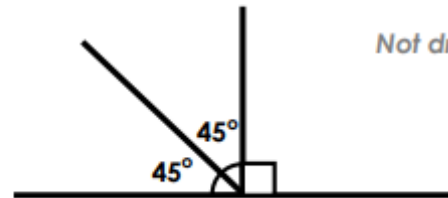
## Diving Deeper

1. Noah is trying to work out how a right angle affects the other angles on a straight line. He has experimented below and has come up with a theory.

He says,



If there are three angles on a straight line and one is a right angle, the other two angles must be  $45^\circ$  every time.



*Not drawn to scale.*



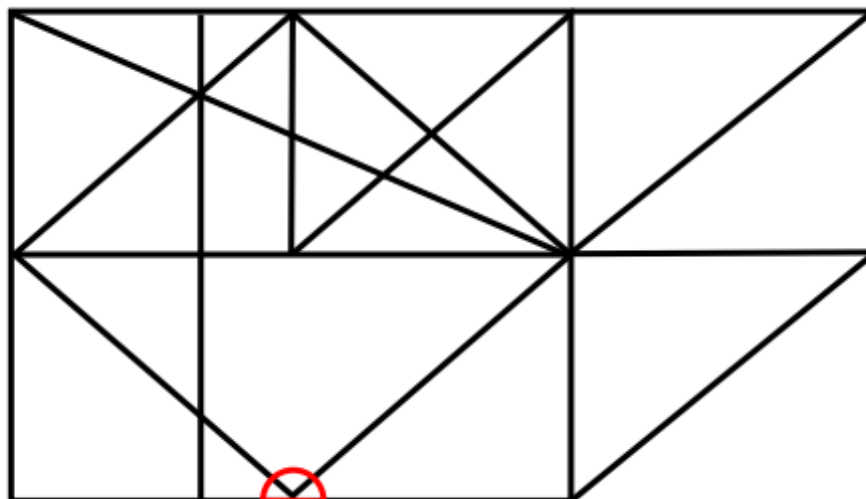
Investigate whether Noah is correct. How could you prove or disprove his theory?

DP

2. Look at the shape below. Explore how many groups of angles there are on a straight line within the shape. One has been done for you.

A group will need to consist of at least three angles.

*Not drawn to scale.*



## English

In English, we have been learning about standard and non-standard language. Use your learning to complete these questions:

Read this extract of 'Under the Lights' and underline all of the non-standard English.

### **A note from Ash**

My name is Ash, I'm twelve years old and I love to sing.

This is the story of the time I done stopped singing. It all happened one year ago, at Morton School. It weren't just singing what went wrong, it were everything: friends, birthday parties, brain maggots, and most of all, them big, scary exams what we had to do at the end of the year.

They looked scary, back then. Now, I ain't got no idea what I were worried about.

Anyways, Miss Underbridge said that if I writ everything down, it might help other people who's doing their exams. She asked Janelle to, and all, so we're racing to see who can write more. The loser has gots to buy the winner tickets to a Glitter Riot concert. Glitter Riot are the best band in the whole wide world, so I proper have to win.

*Extract from the Twinkl Originals KS2 story 'Under the Lights'*

See if you can spot and fix the non-standard English in these sentences.

1. Ever since Mr Rivers done told me that I'd gotten the lead part in our school play, Robin Hood: Superstar!, I'd dreamed about opening night.

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2. "What has you got to be nervous about?" she said as she tugged and tucked my tunic.

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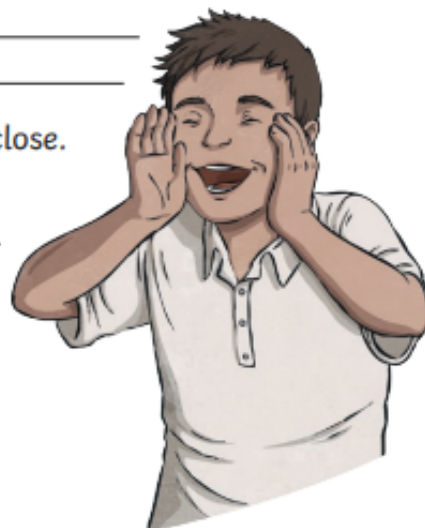
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3. "Ashraf?" Dad sat on the table besides me and leaned in real close. "You don't have to do the play if you don't want to."

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# Memory Challenge Grid:

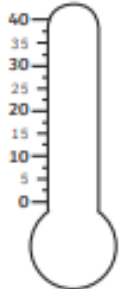
## Standard English and Formality

Answer the following knowledge-based questions on a separate piece of paper or whiteboard. Are you a SPaG Samurai Master on this topic? What's your score?



Colour your total score on the thermometer:

36+	SPaG Master!
21-35	Your SPaG skills are strong!
11-20	Keep practising!
0-10	More training required.



<b>1 point</b> ★ <input type="checkbox"/> <p>Tick the sentence which is the most informal.</p> <p>Do you want to come to my awesome party?</p> <p>Your presence is requested at my gathering.</p>	<b>3 points</b> ★★★ <input type="checkbox"/> <p>What is missing from the adverb in this sentence?</p> <p>Liam ran quick around the playground.</p> <p>_____</p>	<b>4 points</b> ★★★★ <input type="checkbox"/> <p>Complete this sentence appropriately using the subjunctive form.</p> <p>If _____, I would be very surprised!</p>	<b>1 point</b> ★ <input type="checkbox"/> <p>was or were?</p> <p>The chickens _____ happily pecking away at the soft ground.</p>
<b>4 points</b> ★★★★ <input type="checkbox"/> <p>Explain how a letter could be both a formal and an informal text type.</p> <p>_____</p> <p>_____</p>	<b>2 points</b> ★★ <input type="checkbox"/> <p>Circle the most formal choice for each word.</p> <p>The music will commence / start at 5 p.m. with a short set from a fab / prestigious band.</p>	<b>1 point</b> ★ <input type="checkbox"/> <p>Correct this sentence.</p> <p>Gareth done a brilliant performance with his dance group.</p> <p>_____</p>	<b>3 points</b> ★★★ <input type="checkbox"/> <p>Rewrite this sentence to make it more formal.</p> <p>I ain't gonna do it.</p> <p>_____</p> <p>_____</p>
<b>3 points</b> ★★★ <input type="checkbox"/> <p>Exchange each of the underlined words for a more formal choice.</p> <p>My family and I were watching the <u>telly</u> and waiting patiently for the game to <u>kick off</u>.</p>	<b>1 point</b> ★ <input type="checkbox"/> <p>come or came?</p> <p>Some wildlife experts _____ to our school yesterday; they brought two tawny owls</p>	<b>4 points</b> ★★★★ <input type="checkbox"/> <p>Rewrite this sentence using the subjunctive mood.</p> <p>If I was taller, I would be able to easily reach the netball hoop.</p>	<b>2 points</b> ★★ <input type="checkbox"/> <p>them or those?</p> <p>Throw _____ empty bottles in the recycling.</p> <p>Ty asked _____ to stop making so much noise.</p>
<b>2 points</b> ★★ <input type="checkbox"/> <p>Tick the sentence which is written in Standard English.</p> <p>The teachers was going to send us home if the snow got any heavier.</p> <p>I was excited to go and play in the snow with my friends.</p>	<b>3 points</b> ★★★ <input type="checkbox"/> <p>Rewrite this sentence to make it more informal.</p> <p>She suggested that the doctor be present.</p> <p>_____</p> <p>_____</p>	<b>2 points</b> ★★ <input type="checkbox"/> <p>Correct this sentence.</p> <p>When it chewed through the television wire, my mum said that she didn't want nothing more to do with my hamster.</p>	<b>4 points</b> ★★★★ <input type="checkbox"/> <p>Write a formal sentence which invites somebody to dinner.</p> <p>_____</p> <p>_____</p> <p>_____</p>



# Verb Consistency

Read this historical information carefully. Find all the verbs. Then, decide if the verbs are consistent and written in Standard English. Make changes where you find mistakes.

## **Pyramids**

The pyramids was the tombs that are building for the Pharaohs – the kings. The size of the pyramid show the importance of the person who is bury in it.

The ancient Egyptians believe that if a person were mummified that they will lived forever, so they build these tombs to kept their bodies.

The Great Pyramid is building for Pharaoh Khufu. It were decorate with lots of hieroglyphics which tells the story of the Pharaoh that were bury there.

Over 130 pyramids has been find in Egypt.



Please complete the reading comprehension about the Rainforest.

## Rainforest Calling

**9:50 a.m.**

I wonder if the person who gave the rainforest its name had ever actually been there. Surely, if they had, they'd have called it the 'plant forest' instead. Mrs Curtis, my teacher, told us that more than two thirds of the world's plant species live in rainforest environments. That's more than 80,000 different plants!

There's no way that I'm telling my Grandma Wilkins that! She'd be on the first plane to Brazil with her lucky gardening gloves because she really loves plants. Do you know, she once told me that she might love plants even more than she loves my mum! Don't worry, I haven't told my mum that.

That's one of the reasons why I volunteered for this project – so that I could tell my grandma about all the plants. Mrs Curtis wanted one of us to spend a whole week looking at some webcams in the Amazonian rainforest.

I put my hand straight up. My best friend, Millie, said that the last time she'd seen anything move as fast as my arm was when someone told her daft brother that the bank was giving away free money. Who wouldn't volunteer to spend the whole week looking at the Amazon? I think that I'd be really good at spotting all the different plants and animals.

As soon as Mrs Curtis looked at me, I knew that I hadn't been picked. She had the same expression on her face that she uses to tell us that we've got a maths question wrong as she said, "Maybe next time, Daisy." Jack Walters got picked instead, but he changed his mind when he found out that we're only allowed to look at the webcams during our breaks and at lunchtime. He said that there was no way that he was going to miss playing football in the playground. So Mrs Curtis ended up choosing me anyway! I don't mind having to do normal lessons I got nine out of ten on my spellings last week. Still can't spell rhinoceros, though.



Mrs Curtis said that I have to write a journal entry to tell the rest of the class what I've seen on the webcams. I haven't written a journal before. The only things I write at home are lists of my favourite songs and the things I want for Christmas, but Mrs Curtis said not to worry and to just write as I like to speak. I think that should make it easier!

A 'green conversation' charity set the webcams up a few years ago (I'm not actually sure what a green conversation is, or a red or yellow or pink conversation either) and when Mrs Curtis logged on with her laptop, she showed me that we can move the webcams with the arrows on the keyboard. If I want to move left or right, up or down, I just press the arrows. I can even move from camera to camera so that I can explore each layer of the rainforest! Mrs Curtis also said that the Amazon rainforest is over 5,000 miles away from our school, yet I can still move the lens in any direction I want. Sometimes, technology is amazing!

I'd love to spend all my time looking for the monkeys, or even a Bigfoot! My dad says that scientists claim there are still over five million animal species waiting to be discovered in the world, and most of those probably live in the rainforest. He wants me to keep my eyes peeled for a Bigfoot because he says, "Daisy, that'll be like winning the lottery!"

Anyway, my dad thinks that he knows lots about the rainforest. I think that he might have read the same books as Mrs Curtis because they both said that lots of what we all take for granted comes from the rainforest. Those beans that they use to make chocolate come from there, and pineapples, too, plus the ginger that goes into yummy biscuits... even rubber for the soles of my trainers.

Millie says that her uncle has an important job at the city museum and he reckons that more than twenty-five percent (that's a quarter) of all medicines use plants from the rainforest. So if you stay up too late and have a headache, or get an iffy tummy after you've eaten one of your dad's home-made curries, the medicine that you are given could be made from rainforest plants. How amazing is that?

What I'd really like to find, though, is a new kind of flower - maybe one of those beautiful orchids. When you find something new like that, those clever people you see on the documentary channels sometimes let you name them. I'd call mine the Wilkins orchid, after Grandma Wilkins. That would make her feel very important, and she tells me that she's always wanted to be a VIP!





# Questions

1. What is the meaning of the word 'volunteered'?

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2. Draw lines to match these figures with the correct information.

80,000

Percentage of all medicines that we use, which come from the rainforest.

5000

Number of spellings that Daisy got correct on her test.

25

Distance in miles from school to the Amazon rainforest.

9

Number of different plant species in the rainforest.

3. Complete the table by showing whether each statement is a fact or an opinion.

	Fact	Opinion
Daisy volunteered to take part in the project.		
Watching the rainforest would be exciting.		
The flowers in the rainforest are beautiful.		
A charity set up the webcams.		

4. How do you think Daisy feels about being chosen to take part in the project? Give evidence for your answer.

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5. What kind of relationship do you think Daisy has with her grandma? Use evidence from the text to support your answer.

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6. Find and copy three types of food or ingredients that come from the rainforest and are mentioned in the text.

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

7. Find and copy a phrase which means that we fail to appreciate something because we're so familiar with it.

\_\_\_\_\_

8. What type of flower does Daisy hope to find in the rainforest and what name would she give it?

\_\_\_\_\_

9. Which of these does Daisy mean with the abbreviation VIP?

☐ Very Interesting Project

☐ Very Important Person

☐ Vegetation In Places

☐ Vanishing In Power

10. Summarise the text in 30 words or fewer.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

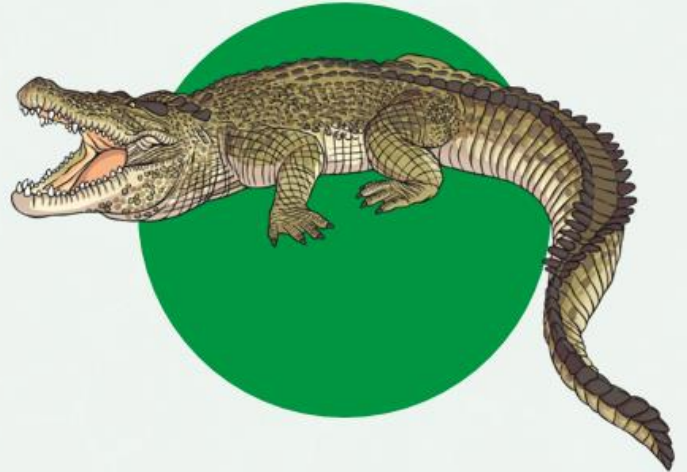
## Science

We've been learning about life cycles in Science this half term. Read the information below and then use it, and anything else you can find out yourself, to create a leaflet about the differences between the life cycles of these two reptiles.

**Garter Snake**



**Crocodile**



## Reptiles



When fully grown the adult reptile will begin to mate.



The hatchling begins to grow and becomes a juvenile. The juvenile looks just like the adult reptile. The juvenile grows slowly over a long period before reaching adulthood.

The female and male mate, then the female reptiles lays fertilised eggs. An embryo starts to grow within the egg. Most reptiles bury their eggs and leave them to hatch alone.



### **Interesting Fact**

Although most reptiles lay eggs, a few species give birth to living offspring.



### **Reptiles:**

- most hatch from eggs.
- are cold blooded.
- have dry, scaly skin

### **Interesting Fact**

Due to the Mother burying her eggs and leaving them to hatch, the hatchlings have to fend for themselves from the moment they leave their egg.

When the embryo is fully formed, it is called a hatchling. It uses an egg tooth to break out of the egg or 'hatch'.



## Keeping Active

Time to get moving! Each day at 9 am, Joe Wicks is broadcasting a 30-minute live workout. Find a space in your house to get your body moving and heart pumping along with viewers from around the world!

You can find all of the workouts from this week on the page below:

<https://www.youtube.com/channel/UCAxWIXTOiEJo0TYlRfn6rYQ>

Joe Wicks, a man with curly brown hair and a beard, is standing in a classroom. He is wearing a bright green t-shirt, black shorts, and white sneakers. He is gesturing with his right hand towards the camera. Behind him is a classroom wall covered with various educational posters, including a clock showing 12:49:36, a 'PLACE VALUE!' chart, and several math formulas. To his right is a wooden storage unit with green drawers. The floor is green.

**P.E. WITH JOE**

**Monday - Friday**

**9am Live on YouTube**

**The Body Coach TV**

**#PEwithJOE**



*Keep up to date with what's happening in the world!*

*Each week, we will share the new issue of First News on the school website.*

<http://www.orleans-richmond.sch.uk/page/?title=First+News&pid=1515>

# **FirstNews**

**NEWS TO GET YOUNG PEOPLE TALKING**

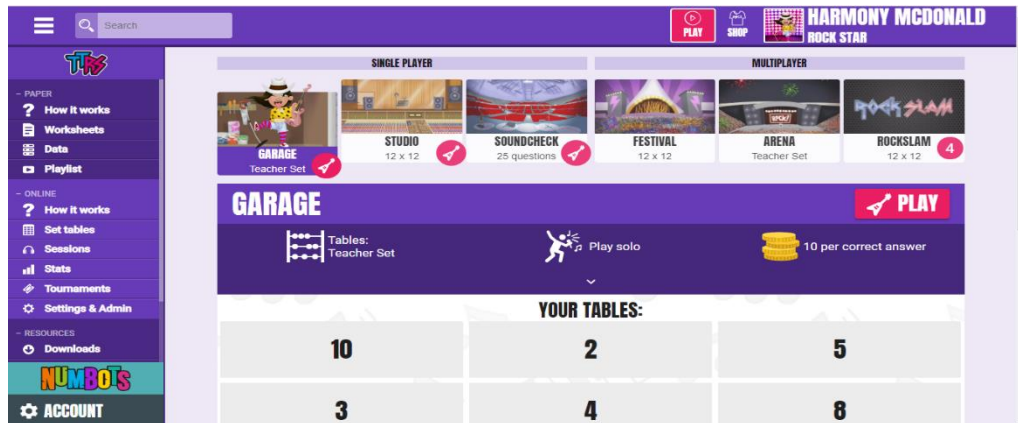
*You could also spend 10 minutes each day watching Newsround.*

<https://www.bbc.co.uk/newsround>



*Don't forget to use the websites we have set up for you!*

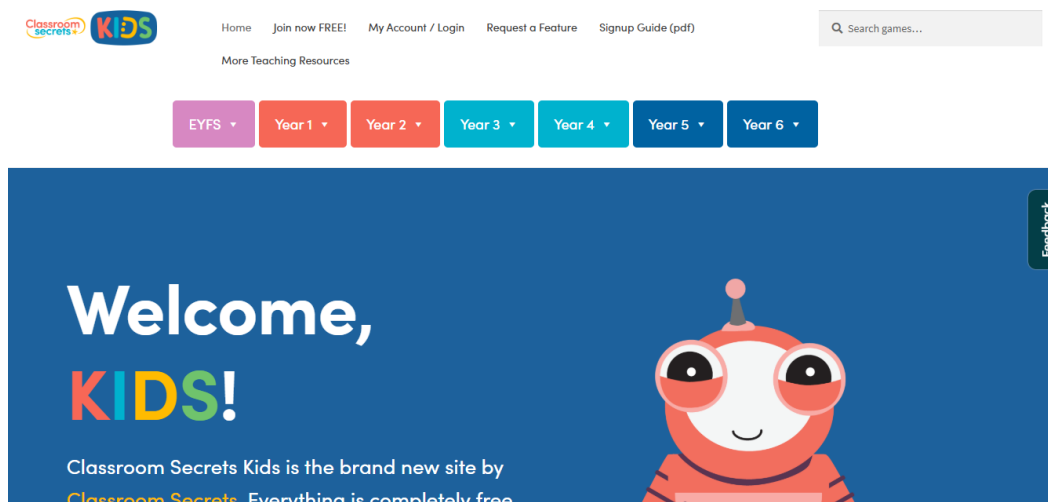
Times Tables Rockstars: <https://trockstars.com/>



NumBots: <https://play.numbots.com/>



Kids Classroom Secrets: <https://kids.classroomsecrets.co.uk/>



	9:00- 9:30	9:30- 10:30	10:30- 11:00	11:00- 12:30	12:30- 1:30	1:30- 2:30	2:30
Monday	Joe Wicks PE lesson	Maths	Brain Break	English	Lunch	History	Down Time
Tuesday	Joe Wicks PE lesson	Maths	Brain Break	English	Lunch	Science	Down Time
Wednesday	Joe Wicks PE lesson	Maths	Brain Break	English	Lunch	Art	Down Time
Thursday	Joe Wicks PE lesson	Maths	Brain Break	English	Lunch	RE	Down Time
Friday	Joe Wicks PE lesson	Maths	Brain Break	English	Lunch	PSHE	Down Time

We have included some Brain Break Ideas on the School Website along with this Learning from Home pack.