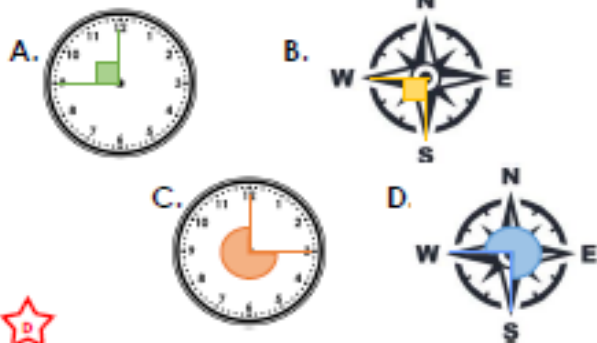


Year 5 Learning at Home: Week 2, Session 1

Maths

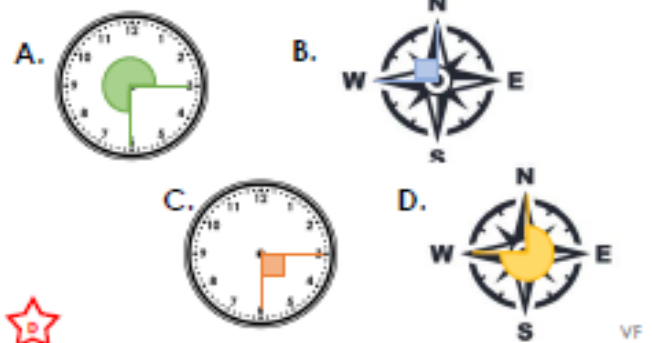
We have been learning about angles in Maths. Use your knowledge of angles to solve the following problems:

1a. Label each image with the name of the angle.



VF

1b. Label each image with the name of the angle.



VF

2a. Look at the time on the clock. Draw where the minute hand will be after a right angle turn anti-clockwise.



VF

2b. Look at the time on the clock. Draw where the minute hand will be after a 90° turn anti-clockwise.



VF

3a. How many degrees will I move through if I turn from N to W clockwise?



VF

3b. How many degrees will I move through if I turn from S to W clockwise?



VF

4a. How many $\frac{1}{4}$ turns are equal to 360°?



VF

4b. How many $\frac{1}{4}$ turns are equal to 270°?



VF

5a. Use >, < or = to complete the equation.

$$180^\circ \quad \square \quad \frac{2}{4} \text{ turn}$$



VF

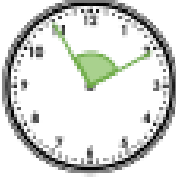



5b. Use >, < or = to complete the equation.

$$\frac{3}{4} \text{ turn} \quad \square \quad 360^\circ$$



VF

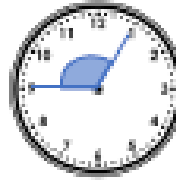

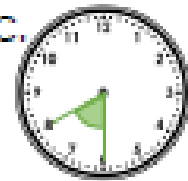

6a. Label each image with the name of the angle.

A.  B.  C.  D. 

VF



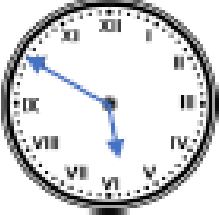
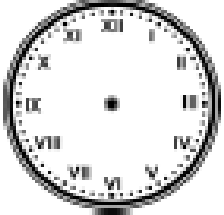
6b. Label each image with the name of the angle.

A.  B.  C.  D. 

VF




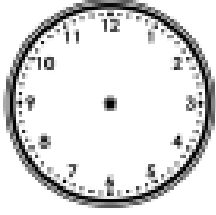
7a. Look at the time on the clock. Draw where the minute hand will be after a 270° turn clockwise.

VF



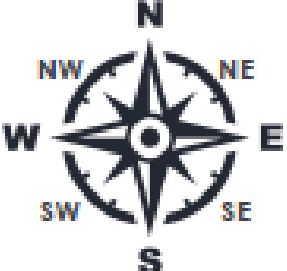
7b. Look at the time on the clock. Draw where the minute hand will be after a 90° turn anti-clockwise.

VF




8a. How many degrees will I move through if I turn from NE to N anti-clockwise?



VF




8b. How many degrees will I move through if I turn from SW to N clockwise?



VF




9a. How many $\frac{1}{8}$ turns are equal to 180° ?



VF



9b. How many $\frac{1}{8}$ turns are equal to 270° ?



VF



10a. Use $>$, $<$ or $=$ to complete the equation.

135° $\frac{3}{8}$ turn

VF



10b. Use $>$, $<$ or $=$ to complete the equation.

180° $\frac{3}{4}$ turn

VF



English

You have learnt about formal and informal writing at school. Use your learning to help you answer these questions.

1. Imagine these characters are meeting for the first time. Can you make one speak in a very formal style and one in a more informal style? Think carefully about the vocabulary and grammar that each character uses.



Can you sort the words and phrases below into formal and informal?

opportunity

not fair

improve

chance

give up

injustice

profession

now

sacrifice

immediately

get better

communicate



Formal



Informal



1. Read the speech below and highlight the formal vocabulary.

You should be able to find around 10 examples.

Good evening ladies and gentlemen. I am delighted to welcome you to the twenty-fifth annual charity ball. As you are all eminently aware the funds raised at our previous charity ball events have enabled us to support numerous charitable organisations in their worthwhile endeavours.

- 2.** Now write the words or phrases you have highlighted in the table below and use a dictionary to find out and write their meanings.

[illegible]

We have been learning about Space in Science. Read this extract from Jazz Harper's diary and answer the comprehension questions.

An extract from Jazz Harper: Space Explorer

MARS YEAR 84

Nearly twenty Mars years ago, the extraordinary story of two children who discovered life on Mars heralded the beginning of a new era for the Marineris Colony and all humans living and working on the Red Planet.

Now, after many years, researchers have uncovered documents from the Marineris archives which shed new light on the discovery and the events that led to it.

Those documents are published here together for the first time. What follows is a story like no other...

28th May 2060

Dear Brand-New Diary of Adventure,

Today was our very last visit to Gran before our epic mission to Mars. Mum and I travelled there on the air tram, like usual. Did you know that air trams travel really, really fast? I looked it up on the map app on my webspectacles as we sped over the tall tower blocks and green parks. At one point, we got up to 147mph!

I asked Mum if that's how fast we'll be travelling through space. She said that the rocket will be much faster – over twenty thousand miles per hour!

Twenty thousand! That's mega-fast. That's stomach-churning, brain-melting fast. Sometimes, when we're on the air tram, I play games to make the journey more fun. Today, I imagined that I was a space pilot, speeding through the galaxy. Outside the windows, stars and planets zoomed past, blurring into streaks of light. An alien spaceship approached with lasers beaming but I was ready to zap it into another dimension as soon as it got into range.

"Pow! Pow-pow-pow! Pow!"

"Oh Jazz, you're not shooting aliens again," said Mum as the other people on the tram stared. "We like aliens!"

I explained that they had us cornered in the outer spiral arm of a distant galaxy and that I had no choice.

Mum said that I should at least try to bring one back alive so that she could study it. That's what Mum does for a living. She's an extraterrestrial-life researcher — an alien scientist.

I performed a lightspeed U-turn to capture an alien fleeing the shattered spaceship in a life raft.

"Hmmm," Mum said, pretending to investigate my captured alien. "It has bug eyes, seven legs, a spiky exoskeleton and liquid brains. This is like nothing I've ever seen before, Jazz. We could win the Galactic Discovery Prize for this."

"Do you think that's what the alien life on Mars will look like?" I asked.

Mum laughed. "I doubt that they'll have seven legs. In fact, I

doubt that they'll have any legs at all."

I spent the rest of the journey thinking about Martians with tentacles and suckers, and some that crawled over the ground like slugs. When the air tram finally got to Sunset Heights, we released our seven-legged alien back into the wild and hopped onto the platform.

Gran lives in one of those old-fashioned retirement villages from the 2020s: all glass and steel and curving walls. When she isn't racing her friends around the courtyard on her hover scooter or throwing street parties on weeknights, she's in her top-floor flat, gazing through her binoculars at the happenings down below or inviting people over for curry so hot that it blows your head off.

I could smell Gran's curry as soon as we got upstairs. Even before the front door opened, my eyes watered.

"My brave girls!" said Gran, throwing open the door. That's how she always greets us, even though we've never done anything as brave as she has — well, until now. Gran was wearing pink, fluffy slippers, khaki trousers and a dressing gown covered in parrots. "Off on an adventure to a new

world! What I wouldn't give to be coming with you." Gran said that she had made us a proper meal to send us off.

"There'll be lean pickings in space," she said. "No cheese, no meat, no chocolate fudge cake..."

Mum pointed out that the technicians on Mars make good lab-grown beef, and I said that we'll eat insects because that's what they're farming out there.

"I've eaten plenty of insects in my time," said Gran. "They were delicious when deep fried in sweet-and-sour sauce. I'll send you my recipe, shall I? Did I ever tell you about the time when I ate toasted rhinoceros beetles in the Amazon rainforest?"

Questions

1. Look at the first section of the text. From where were the documents uncovered?

2. The first section ends with the line: "What follows is a story like no other..."
What effect is this designed to have upon the reader?

3. What does Jazz use her webspectacles for?

To see better

To go faster

To look up
information

To imagine aliens

4. Find and copy a phrase which suggests that Mum and Jazz typically use the same means of transport to visit Gran.

5. How can you tell that this story is set in the future? Give **two** reasons or examples.

6. What does Mum imagine about alien life forms on Mars?

7. Jazz describes the speed of travelling through space as "stomach-churning". What does this suggest about the way it makes her feel?

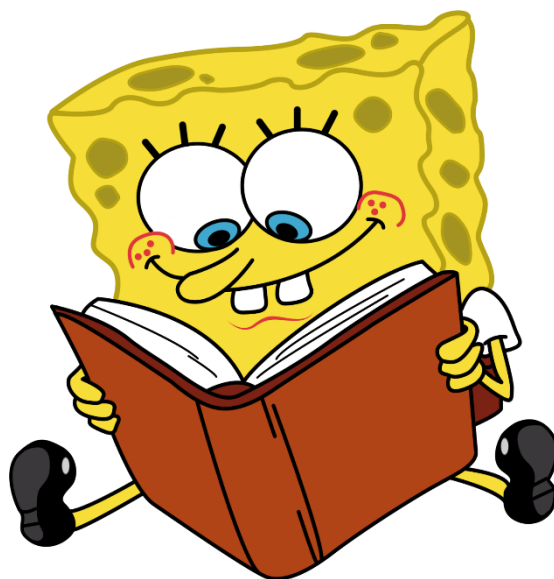
Questions

8. What impression do you get of the relationship between Mum and Jazz? Support your answer with evidence.

9. Describe some of the food that will or will not be available in space, according to Gran.

10. What impression do you get of Gran's character? Use evidence to support your answer.

Please remember to continue reading your books at home and filling in your diaries.



History

In History lessons, we have been looking at the history of York from the Romans to the Industrial Age. One era we have looked at is the Norman rule. Your challenge is to find out a bit more about the Normans and create a project about them.

Below are some ideas to get you started but you are welcome to create your project around anything that grabs your interest:

- Create a piece of artwork about the Battle of Hastings in 1066
- Write a fact file about William the Conqueror
- What impact does the Norman rule still have on Britain today?
- Write a story about a key event in the Norman rule of Britain
- Design a Norman costume - how was the Norman style different to the Anglo-Saxon clothes that came before?
- What was the Domesday book?

The more creative, the better! Please send any examples of work you are feeling particularly proud of to Miss Verge and Miss Lane. We would love to publish some of your work on our WOW WALL on the school website.


year5@orleans.richmond.sch.uk

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 is standing in a classroom, wearing a green t-shirt and black shorts. He is gesturing with his right hand. The background is a classroom wall with various educational posters, including a clock showing 12:49:36, a 'PLACE VALUE!' chart, and a 'Formulas' chart. 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

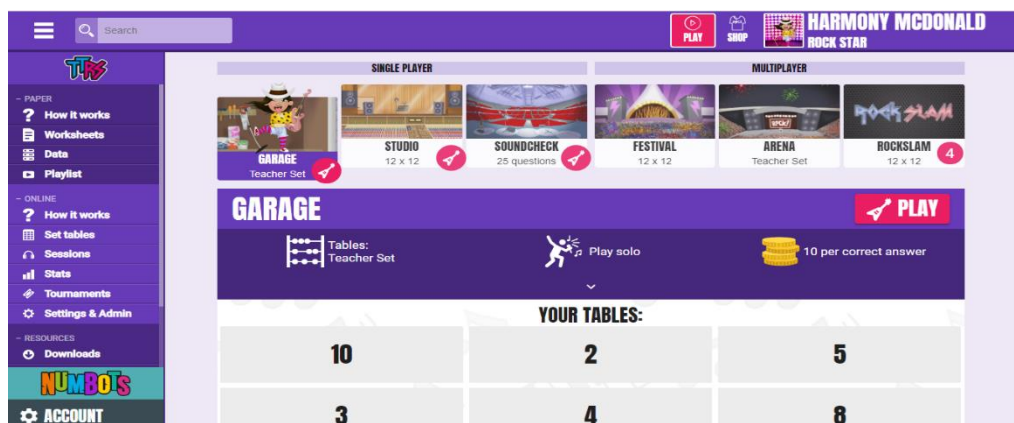
You could also spend 10 minutes each day watching Newsround.

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

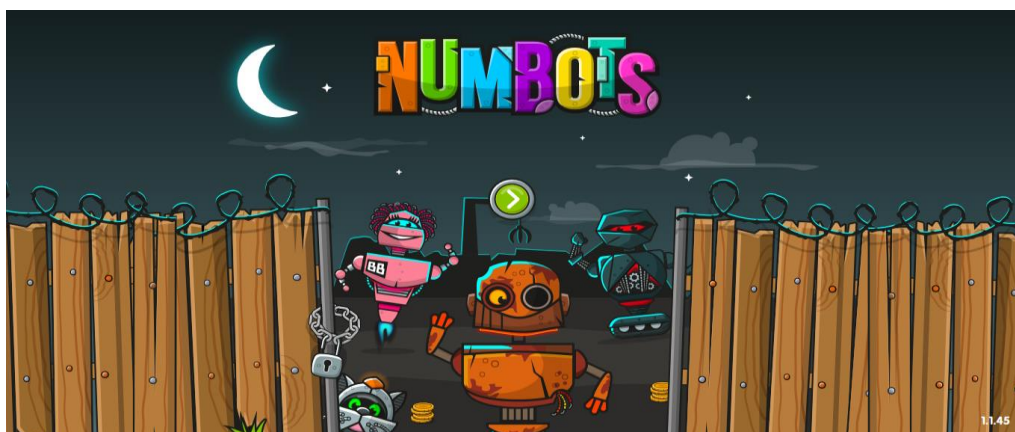


Don't forget to use the websites we have set up for you!

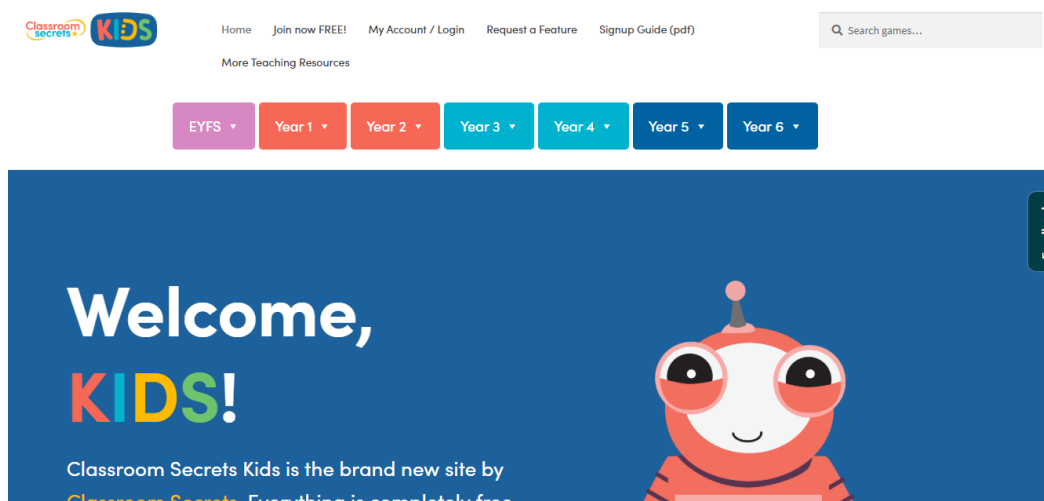
Times Tables Rockstars: <https://trockstars.com/>



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.