Years 5 and 6

Monday

Maths:

TT Rockstars: Try some daily rockstars. Can you challenge other children to battles and can you improve your time and score?

My Maths: There are plenty of tasks on My Maths for you to complete. I'm checking the activities online myself and know that there are a number for you to choose from!

Activity: This week in maths, we are going to focus on Maths Investigations. Today, I would like you to explore consecutive numbers. Consecutive numbers are whole numbers that are next to each other, e.g. 6 and 7. In each question, explain your answers as fully as possible, trying to show what patterns you have noticed and give reasons for the patterns.

Addition

Pick 2 consecutive numbers and add them together. Repeat with other pairs of consecutive numbers. Write down your jottings.

- What do you notice about adding 2 consecutive numbers together?
- What do you notice if you use 3 consecutive numbers?
- What about if you add more than 3 consecutive numbers together?

Subtraction

Find the difference between 2 consecutive numbers. Find the difference between other consecutive numbers. Write down your jottings. Explain your findings.

Multiplication

Take pairs of consecutive numbers and multiply them together. Write down your jottings.

	• What do you notice about the answers? • What do you notice about multiplying 3 consecutive numbers together?	
	English: Reading: Try to read some of your book every day. When you finish a book, complete a book review in your green book. SPAG: Use spag.com and choose a task that you would like to complete. Writing: Today you are going to explore robots! Watch, enjoy and find out how robots can be used in these clips. As you watch and read, collect and discuss some of the technical vocabulary. **Nat Geo Kids – *Fun Facts About Robots*** https://www.youtube.com/watch?v=UuPAImipntw&feature=youtu.be ***Five Robots that are Changing Everything*** https://www.youtube.com/watch?v=17lk7D38ALY&feature=youtu.be More information about robots can be found on this web page: ***Controlling Physical Systems*** https://www.bbc.co.uk/bitesize/topics/zs7s4wx/articles/zxjsfg8 and in this downloadable extract from **National Geographic Kids -*Robots*** https://www.lovereading4kids.co.uk/book/16253/Robots-by-Melissa-Stewart.html After watching the film clips and reading the material, discuss with a family member the many ways in which robots can help/are used. Write these uses in a chart or make a list.	
	Topic: History- Can you use the film from last week https://www.bbc.co.uk/bitesize/guides/zjy6rj6/revision/1 and create a timeline of the key events from the film? You can add the events to your timeline from previous weeks if you prefer!	
Tuesday	**Maths:** TT Rockstars: Try some daily rockstars. Can you challenge other children to battles and can you improve your time and score? My Maths: There are plenty of tasks on My Maths for you to complete. Activity: Today I would like you to explore triangle and square numbers. **Triangles:** 0 1 3 6 ☐ ☐ ☐ ☐ difference: ☐ ☐ ☐ ☐ ☐ ☐ ☐	

Write the number of dots in the squares (or draw your own) and find the difference between each number. Continue the pattern for the next 4 triangles.

- What do you notice about the difference in the number of dots in each triangle?
- Can you explain why?

Squares:

0	1	4	9				
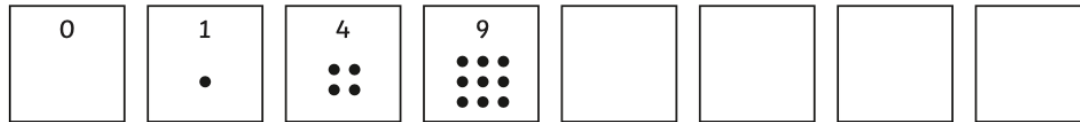
difference:

Write the number of dots and find the difference between each number. Continue the pattern for the next 4 squares.

- What do you notice about the difference in the number of dots in each triangle?
- Can you explain why?

English:

Reading: Try to read some of your book every day. When you finish a book, complete a book review in your green book.

SPAG: Use spag.com and choose a task that you would like to complete.

Writing: Using your research from yesterday, today you are going to have a go at creating your own imaginary robot! Look at some of the pictures here for ideas from the artist Darrell Wakelam: https://www.trendsmap.com/twitter/tweet/1256855365452521472

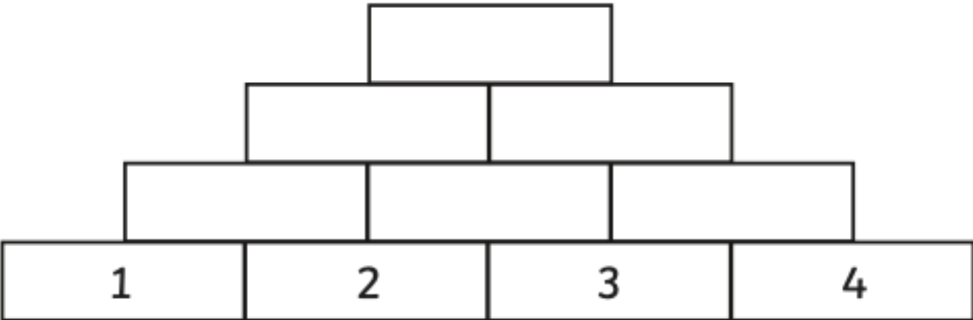Darrell Wakelam's Twitter page https://twitter.com/DarrellWakelam

- What would you like your robot to do?
- What would its key function be?
- What might it look like?

Draw a diagram with labels *or* create a fact file on your robot. View this clip here for ideas: https://www.goodnet.org/articles/9-home-robots-that-make-your-life-much-easier

Try to use include some of the technical or more formal vocabulary you may have read above, or heard in the clips from yesterday.

(e.g. *futuristic, microscopic, series of actions, powered by, designed for, specific task,* etc).

If you have recycling materials available, use junk modelling to create your own robot. Take photos and send them to me!

Topic:

	Art- Last week you created an image using mixed patterns for a seaside theme. Can you create your own underwater image this week? You can use any media you like or have at home (crayons, paint, watercolours, felt tip pens) and create an image of your choice. Enjoy this activity and have fun!
Wednesday	Maths: TT Rockstars: Try some daily rockstars. Can you challenge other children to battles and can you improve your time and score? My Maths: There are plenty of tasks on My Maths for you to complete. Activity: Today I would like you to explore Maths pyramids. In the pyramid above, add the adjacent (numbers next to each other) and put the answer in the box that is in the middle of them. • What is the total at the top? • If you change the order of the numbers, do you get the same total at the top? • What is the highest possible total you can get at the top? • What is the lowest possible total you can get at the top? • Can you try the numbers 2,3,4 and 5? • What about 3,4,5 and 6?
	English: Reading: Try to read some of your book every day. When you finish a book, complete a book review in your green book. SPAG: Use spag.com and choose a task that you would like to complete. Writing: Today, you are going to write some information and /or explanation as to how your robot works. This could be in the form of a Powerpoint or presentation to your family. Remember to include key information, lifting ideas and vocabulary from your diagram or fact file created yesterday. If you are using Powerpoint, you may choose to insert some photographs of your robot too!
	Topic:

	Geography- For the last two weeks, you have investigated topical issues including the closure of Blackpool airport and that of fracking. Today I would like you to investigate wind farms. • Are wind farms a good idea? • Where are they located or proposed? • Why do some people object? You can present this information in any way you want- a poster, a written speech or a mindmap.
Thursday	Maths: TT Rockstars: Try some daily rockstars. Can you challenge other children to battles and can you improve your time and score? My Maths: There are plenty of tasks on My Maths for you to complete. Activity: Look at the time pictures at the bottom of this document. Can you place them in order of length of time? You may need to use the internet to help you! If you can print them out then cut and stick them on a timeline/ in order, if not just write the name/description on your timeline instead.
	English: Reading: Try to read some of your book every day. When you finish a book, complete a book review in your green book. SPAG: Use spag.com and choose a task that you would like to complete. Writing: Today, learn about why the Tin Man wanted a heart by reading Chapter 5 of *The Wonderful Wizard of Oz*, by L. Frank Baum: http://www.gutenberg.org/files/43936/43936-h/43936-h.htm#ChapterV Compare the Tin Man's plight with that of Buzz Lightyear from *Toy Story*. The Tin Man desperately wants a heart. What does Buzz Lightyear want? (to be human and not a toy). https://www.youtube.com/watch?v=vddEvqS6M4o (PG certificate). Think about your own robot. What might your robot wish for? E.g. a heart, a brain, new hands to do a particular job, or simply to become human. Write a character description of your robot as it might appear in a story. Remember in addition to all the physical features you may have included in your fact file or Powerpoint earlier this week, this time you will also need to include some of your character's thoughts and feelings, just like L. Frank Baum did with the Tin Man. Remember to read through your writing to check it makes sense and to check for spelling and punctuation.
	Topic: Computing- I have set a 2do on Purple Mash called 'Tick Tock Clock Challenge'. Keep working hard on your coding- your new skills are very impressive!
Friday	Maths: TT Rockstars: Try some daily rockstars. Can you challenge other children to battles and can you improve your time and score? My Maths: There are plenty of tasks on My Maths for you to complete.

Activity: Today's maths is based on one of my favourite summer treats- Ice cream! The ice cream van has started to visit my street now and I was lucky enough to have a 99 Oyster with sauce and a flake last week. (see my sneaky picture!)

Did you know that the ice cream cone was invented at the 1904 World's Fair in St Louis? Previously, ice cream had only been eaten with bowls and spoons but the invention of the cone meant that people could eat ice cream on the move!

Today try this ice cream maths challenge. The ice cream van sells the following flavours: chocolate, coconut, mint, lemon, strawberry and vanilla.
What combinations can be created for a double cone (one that has 2 scoops of ice cream in)?
Try and work in an organised way. How will you know if you have found all the possibilities?
What about if you wanted a triple cone?

English:
Reading: Try to read some of your book every day. When you finish a book, complete a book review in your green book.
SPAG: Use spag.com and choose a task that you would like to complete.
Writing: Today you are going to write the opening to a story featuring your robot.
You will need to include a description of your robot using ideas you have gathered this week. Your story could be about your robot's quest to satisfy their wish – whether it be for a heart, brains, new hands, or to become human.
To help you plan, consider:
- Where is your story going to be set?
- Will your robot have another character to help them along the way, just as Dorothy helped the Tin Man?
- What obstacles might they meet along the way?

Topic:
RE: Through our Baptism and Confirmation, we receive the gift of the Holy Spirit and are called to be people who spread the Easter message and to be witnesses in our present world. There are many ways of being a witness – by prayer, our words, our life and kind deeds. Share this story of Fr. Balashowry, a priest in India.

Fr. Balashowry: Providing refuge.
Fr. Balashowry is the director of the Don Bosco Centre for street children in Hyderabad, India. The centre rescues children from the streets and provides counselling, food, clothing, medicine, education, recreation, and aims at eventually rehabilitating the children to their families. There are currently over 50 boys at the centre. Most of them will have been found by the staff,

begging at the train and bus station. Over a third of them are orphans and the rest have run away from broken homes. Fr. Balashowry offers a loving home for them in which they can feel safe and regain hope for their future.

As well as funding the children's education, the centre has workshops where it provides training in trades like carpentry, tailoring, and engineering. They also have a bakery where a former resident of the shelter now teaches baking to the children. These classes all help to furnish the boys with the skills and motivation to find employment in the future. While the centre aims to rehabilitate children to their families, they are not forced back to their homes. The boys are encouraged to return to their families and spend some time with them, but they are welcome to return to the shelter and continue their studies. The boys need the stability and assurance that they will be supported and helped to finish their education. Fr. Balashowry is there for them until they are ready and able to move on.

The staff at the shelter have to be available at all hours of the day. Sometimes, there might be a knock at the door in the middle of the night, and someone needs to be ready to let the child in and look after them. The centre is open seven days a week and staff are always available. Fr. Balashowry and the staff need to provide care and guidance and show the children that they are loved. When told he was inspirational, Fr. Balashowry humbly responded, "It is God's work".

You will find that, in your local area, there are many Christians inspired by the Holy Spirit who witness to the love of God by their care for those in need. They may visit the sick in hospital or at home, provide food and shelter for the homeless like The Mother of Mercy Society in Liverpool. Sometimes, it is the small things that you do in your life, a kind word, a smile, lending a helping hand and perhaps doing something no one notices that is a real witness to the love of God and the power of the Holy Spirit.

In Paul's letter to the people living in Ephesus he writes:

God has made us what we are, and in our union with Christ Jesus he has created us for a life of good deeds, which he has already prepared for us to do.
Ephesians 2:10

Can you research a local charity. Who founded it and why? What was their inspiration, how do they help people and why do volunteers give their time to help others? Explain what a difference it makes.

Top Terrific Task	This **task** must be done this week. Using Tuesday's English activity, send me pictures of your own robot creation and the description that goes with it. Once you have done it please email them to me on rebeccataylor@st-marys-sabden.lancs.sch.uk I will send you a message back about your work 😄 If I haven't got it by next Friday, I will send your parents a quick email to see if you need any help with the task.
Extra Learning	If you've enjoyed writing the start of your robot story, continue writing it! Enjoy reading your story aloud to your family members and make sure you send a copy to me! If you haven't already, can you make your robot? You could use any items from around the house or even build me a Lego version (I know lots of you love your Lego!) Listen, view and enjoy finding out about robots on these websites: https://kids.kiddle.co/Asimo https://youtu.be/_pkjtISUVhA https://anki.com/en-gb/cozmo.html https://www.sporcle.com/kids/ I thought I'd share this website with you which Oliver M recommended. He's been completing different quizzes and has really enjoyed the site. He thought some of you might too- I particularly enjoyed the Harry Potter ones! If your parents have access to Facebook, search for 'Art Club with Mrs Delahoy' I particularly like the windy day artwork task. Can you try this at home? She includes videos of how to create it. Do a jigsaw! Mr Holland and I love to do a jigsaw and I know Miss B enjoys them too! They make you think and use lots of different skills. Here are a couple that we have been doing recently. If you do a jigsaw, try and send me a picture of it! The first jigsaw was of a Summer Fair scene and looked just like the box, the second jigsaw is a Wasgij (jigsaw backwards!) and the picture you create isn't on the box...it is the view from one of the people or objects in the image. This one was DIY gone wrong- oops!

Maths time items:

A year	1000 days	The month of January	A week's worth of maths lessons
Yearly Calendar	Saturday 16th Tuesday 3rd Wednesday 5th Monday 21st	JANUARY	

Your age	100 months	Boiling an egg	60 minutes
	July October August November February		77

A fortnight	24 hours	The length of the reign of Queen Victoria	The women's marathon world record
OCTOBER			

A professional football match	Time taken for the moon to rotate	Time taken for a horse chestnut tree to grow 25m high	Time taken to run a bath
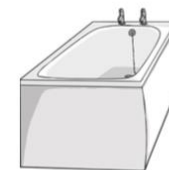
Time for the Earth to orbit the Sun	Time taken to read your favourite book
Length of your favourite film	Time taken for a school computer to turn on
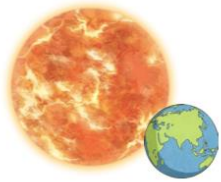
One million seconds	Time taken to travel to school
Time taken to bake a cake	Length of the Tour de France