

Home Learning

YEAR 5

Week 2

We hope Week 2's Home Learning pack finds you and your family safe and well.

Thank you to everyone who has already sent emails with pictures and messages to let us know what you are getting up to at home – we really do love to hear from you! We've also been really impressed by the amount of people logging onto Athletics and Learning by Questions.

We know that you will be working incredibly hard at home to deliver the activities that we have set and both ourselves and your children are very grateful for your support with this (even if you may have some reluctant pupils at 'home school' sometimes!).

We are trying hard to ensure that the activities we set (which mirror those taking place in school) are accessible for everyone however, we would welcome any feedback you may have if any particular challenges arise when you are delivering the activities.

Once again, can we take this opportunity to thank you for your hard work and support during these difficult times. Please remember that we are always on hand to offer support to you and your family if you need it – do not hesitate to contact us.

Thank you,

The Year 5/6 Team



WEEKLY ACTIVITIES

Children can work on these activities throughout the week or complete the activity a number of times during the week.

During the week, there are various activities taking place online:

Mon, Weds, Fri – Joe Wicks Live Workouts – 9am

<https://www.youtube.com/channel/UCAxW1XT0iEJo0TYIRfn6rYQ>

Online Bushcraft Skills/Forest Skills lessons

10 am – Search ‘Online Bushcraft’ on YouTube

Online lessons and resources from BBC Bitesize

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

Televised lessons will also be shown on CBBC.

Spellings	Monday	Tuesday	Wednesday	Thursday
frequently				
cautiously				
hesitantly				
diligently				
patiently				
clumsily				
dangerously				
terrifyingly				
boisterously				
elegantly				
suspiciously				
awkwardly				
immediately				
disapprovingly				
sincerely				

Choose three of these words to complete the sentences below - remember your punctuation!

Before _____

When _____

After _____

clumsily boisterously frequently cautiously
terrifyingly diligently patiently awkwardly
elegantly hesitantly suspiciously disapprovingly
immediately sincerely dangerously

a h e s i t a n t l y a e s l
v f r e q u e n t l y v l u g
l u b o v h q i e y o i e s t
y p z o d s d z l o y g g p e
l i a a i r i d g l h y a i r
t k e t o s r n i g l o n c r
n v v b i a t s c e j j t i i
e p l q w e m e t e n d l o f
g f w k a u n a r a r p y u y
i a w f l o i t b o g e g s i
l a j c a d o g l x u b l l n
i a o i e e g v w y z s o y g
d e k m c a u t i o u s l y l
o q m d a n g e r o u s l y y
d i s a p p r o v i n g l y o

A		B		C		D	
12 x 1		8 x 1		4 x 1		9 x 12	
5 x 12		4 x 4		9 x 10		5 x 11	
2 x 8		12 x 2		8 x 2		4 x 2	
11 x 5		7 x 5		3 x 6		9 x 11	
6 x 8		2 x 9		12 x 3		8 x 3	
4 x 3		11 x 6		7 x 6		3 x 7	
10 x 8		6 x 9		2 x 10		12 x 4	
8 x 4		4 x 5		11 x 7		7 x 7	
3 x 8		10 x 9		6 x 10		2 x 11	
12 x 5		8 x 5		4 x 6		11 x 8	
7 x 8		3 x 9		10 x 10		6 x 11	
2 x 12		12 x 6		8 x 6		4 x 7	
11 x 9		7 x 9		3 x 10		10 x 11	
6 x 12		1 x 1		12 x 7		8 x 7	
4 x 8		11 x 10		7 x 10		3 x 11	
10 x 12		5 x 1		1 x 2		12 x 8	
8 x 8		4 x 9		11 x 11		7 x 11	
3 x 12		9 x 1		5 x 2		1 x 3	
12 x 9		8 x 9		4 x 10		11 x 12	
7 x 12		2 x 1		9 x 2		5 x 3	
1 x 4		12 x 10		8 x 10		4 x 11	
10 x 1		6 x 1		2 x 2		9 x 3	
5 x 4		1 x 5		12 x 11		8 x 11	
4 x 12		10 x 2		6 x 2		2 x 3	
9 x 4		5 x 5		1 x 6		12 x 12	
8 x 12		3 x 1		10 x 3		6 x 3	
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11 x 1		7 x 1		3 x 2		10 x 4	
6 x 4		2 x 5		9 x 6		5 x 7	
1 x 8		11 x 2		7 x 2		3 x 3	
10 x 5		6 x 5		2 x 6		9 x 7	
5 x 8		1 x 9		11 x 3		7 x 3	
3 x 4		10 x 6		6 x 6		2 x 7	
9 x 8		5 x 9		1 x 10		11 x 4	
7 x 4		3 x 5		10 x 7		6 x 7	
1 x 12		9 x 9		5 x 10		1 x 11	

MONDAY

11.01.21

Literacy

	<u>Activity Description</u>	<u>Resources</u>
1	<p><i>This week we are going to write a non-chronological report on the International Space Station. We will write a paragraph each day and then you will have chance to present this as a finished piece on Friday – we can't wait to see them!</i></p> <p><i>A non-chronological report is a piece non-fiction writing that gives information on different areas of a particular topic. For our report, we will be giving information on the areas you researched last week (these will be your subheadings):</i></p> <ul style="list-style-type: none">• Construction of the ISS• Living on board the ISS• Working on the ISS• Fun Facts <p>Write an introduction which gives some brief information about what the ISS is and which introduces the purpose of your text. <i>We often begin these with a rhetorical question – see if you can include one too!</i></p>	<p>Example: Do you too marvel at the fact that we are able to send humans into space to live and work? The International Space Station (ISS), which is a man-made construction currently orbiting the Earth, has been 'home' to brave astronauts from around the world since its launch into orbit in 1998.</p>
2	<p>Using the subheading 'Construction of the ISS', write a paragraph which includes the information you have discovered.</p>	

Curriculum Activities

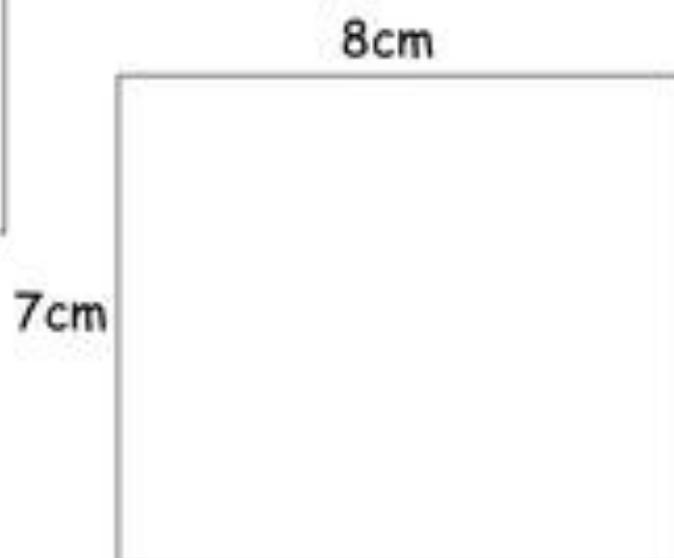
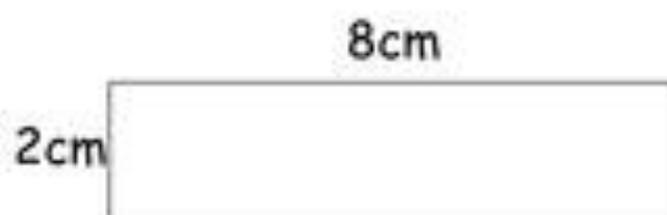
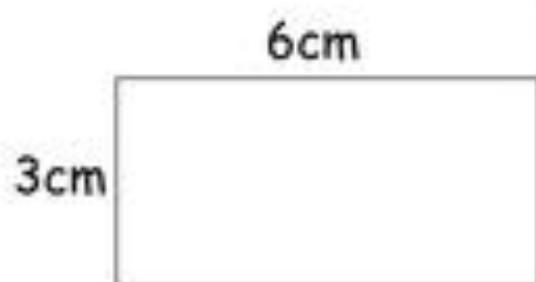
	<u>Activity Description</u>	<u>Resources</u>
1	<u>French</u> Practise French words that we've already learnt and discover a few more by watching the video. Pause the video and practise new words a few times so that you become confident at pronouncing them. Create a "dictionary" of new words you've learnt today. You could even sketch a picture for each to help you remember.	https://www.youtube.com/watch?v=ioYxmPf9zmQ
2	<u>PE</u> Try the Bop It challenge. All you need for this is a piece of paper scrunched into a ball. See how long you can keep hitting it with the palms of your hand to keep it up in the air. Watch the clip for a demonstration and for tips to make it more challenging. Challenge your parents and carers to try it as well. Who will hold the record in your house?	https://www.youtube.com/watch?v=CleiNqlb3MM

Maths

	<u>Activity Description</u>	<u>Resources</u>
1	<p>5 a Day</p> <p><i>We complete these questions at the start of every Maths lesson. Children are encouraged to use written methods to work out their answers.</i></p>	<ol style="list-style-type: none"> 1. $17364 + 9928$ 2. $16270 - 3524$ 3. 73×21 4. $9824 \div 3$ or $9824 \div 15$ 5. Write down the different types of angles and how we can recognise them.
2	<p>Perimeter</p> <p><i>Message from Miss Hanson:</i> <i>This is going to be new learning for us! I know that you will give it your best effort and I'm sure you'll work hard. If you do find it tricky, just try your best and remember what we say in class: 'Give it a go! If you can't do it, nothing bad is going to happen!'</i></p> <ol style="list-style-type: none"> 1. Use the BBC Bitesize link to watch a short video about how to calculate the perimeter of a shape. There are then activities to complete about calculating perimeter on the web page. 2. Calculate the perimeter of each shape (on the next page). <i>Remember, all you need to do is add all of the sides together!</i> 	<p style="text-align: center;">https://www.bbc.co.uk/bitesize/topics/zvmxsbk/articles/zsr4k7h</p> <p style="text-align: center;"><i>Activity sheet is on the following page.</i></p>
3	<p>Extension Activities</p> <p>144 Times Tables Test <i>You could try to do one of these each day and see how much progress you can make over the week!</i></p> <p>Perimeter Investigation Can you find an item in your house that the same perimeter as one of the shapes from the activity? <i>Top tip: try measuring a book or a cereal box (if the lid is closed!) as these items will often be a rectangular shape.</i></p>	

Perimeter

Find the perimeter of these shapes.



TUESDAY

12.01.21

Literacy

	<u>Activity Description</u>	<u>Resources</u>
1	Using the subheading 'Living on board the ISS', write a paragraph which includes the information you have discovered.	
2	<p>Extension Activities</p> <p>Choose the correct prefix to make new words.</p> <p>mis non co anti ex</p> <p>_____ clude _____ operation _____ understood _____ biotics _____ plain _____ fortune _____ periment _____ pectation _____ ordinate _____ existent _____ freeze _____ informed</p>  <p>Try to think of other examples for each prefix.</p>	

Curriculum Activities

Curriculum Activities		
	<u>Activity Description</u>	<u>Resources</u>
1	<p><u>SPACE: Orbiting The Sun</u></p> <p>Watch Clip 1 to learn about how Copernicus (a famous scientist from the Middle Ages) developed his theory about how planets orbit the sun. Challenge: Can you find the <i>name</i> for Copernicus' theory?</p> <p>Watch Clip 2 to learn about how planets orbit the sun. Today, you're going to make a model of the solar system to try and demonstrate how planets orbit around the sun. You can create your model out of anything (playdough, fruit, objects from around the house, drawings – the list is endless!). Take a photo or a video demonstrating your work to show us your solar system model.</p> <p>Extra challenge: Can you build the model to scale? Use the measurements below to help you.</p>	<p>Clip 1: https://www.bbc.co.uk/bitesize/clips/zvjv87h</p> <p>Clip 2: https://www.youtube.com/watch?v=ASQkz4XaphU</p> <div style="text-align: center;">  <p>Build Your Own Solar System <small>Objects to scale: see on the left and bottom right</small></p>  <p><small>Add your own Sun with a 65cm exercise ball – it's too big to fit in here! www.flickr.com/photos/compression/</small></p> </div>

How to draw planets of the solar system to scale

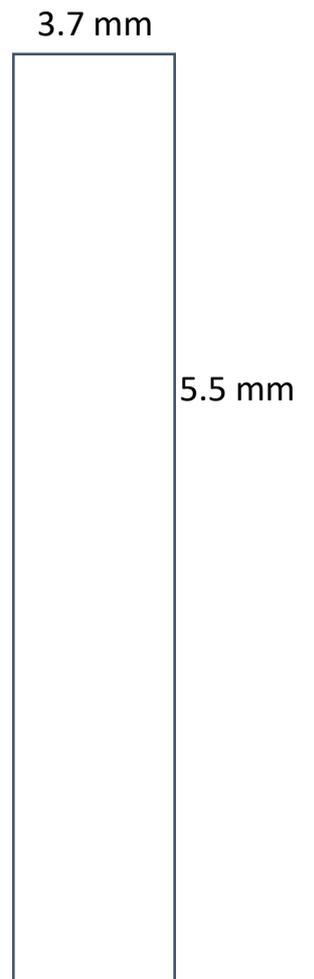
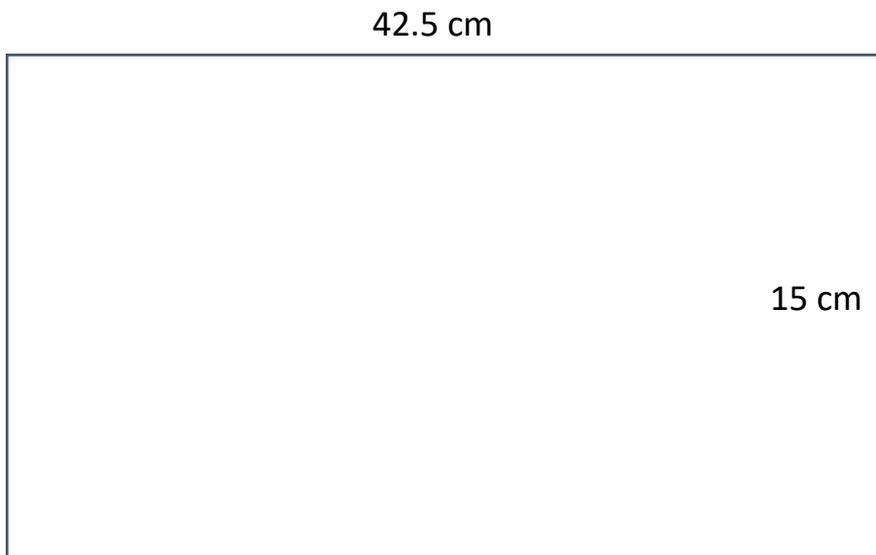
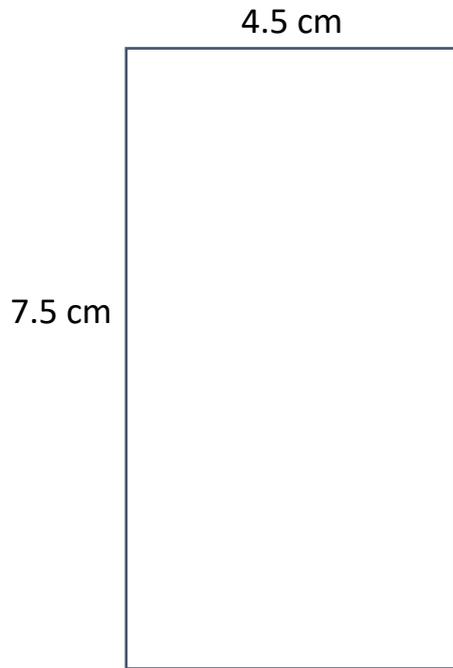
wildaboutthere.com

1. Equipment needed: ruler, circle template, compass, paper (letter + US 14 x 17 in) or (UK A4 + A3), scissors, pencils or markers
2. Use the circle template for the smallest planets and compass and/or ruler for the bigger planets.
3. Draw eight circles with the rough diameters listed below in metric cms or inches.
4. Add a hand drawn ring to Saturn.
5. Kids cut out and color (colour) in the drawings.

	Radius	Diameter in Cms (appx)	Diameter in Inches (appx)
MERCURY	0.3829 x Earth	0.8	0.4
VENUS	0.9499 x Earth	1.9	0.95
EARTH	1	2	1
MARS	0.5320 x Earth	1	0.5
JUPITER	10.9733 x Earth	22	11
SATURN	9.1402 x Earth	18.2	9.1
URANUS	3.9809 x Earth	8	4
NEPTUNE	3.8647 x Earth	7.7	3.9

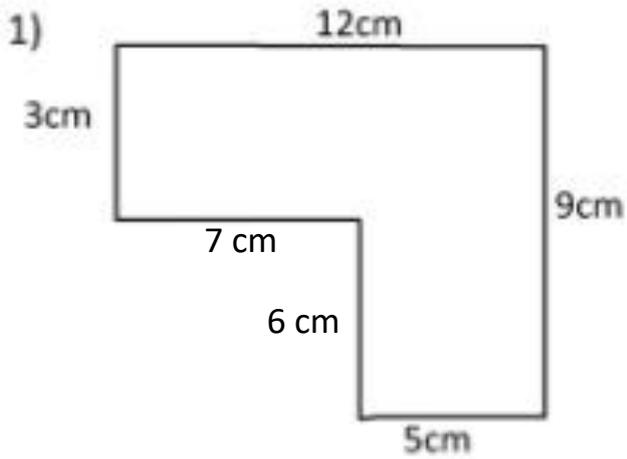
Activity 1

Shapes are not drawn to scale.

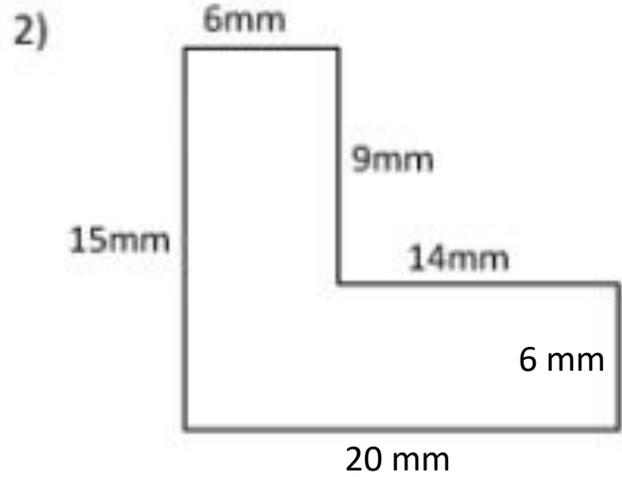


Activity 2

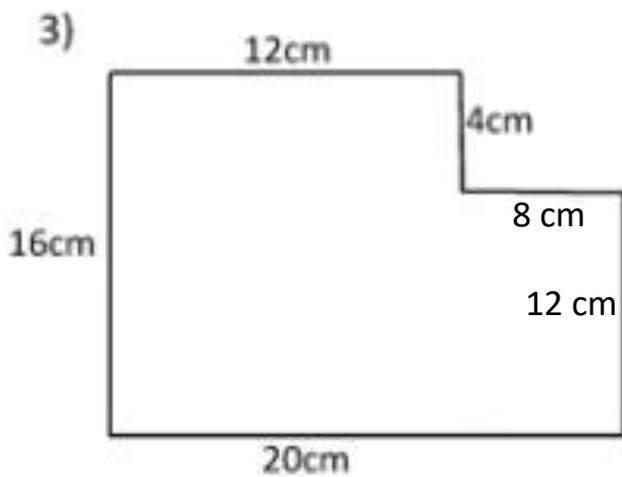
Shapes are not drawn to scale.



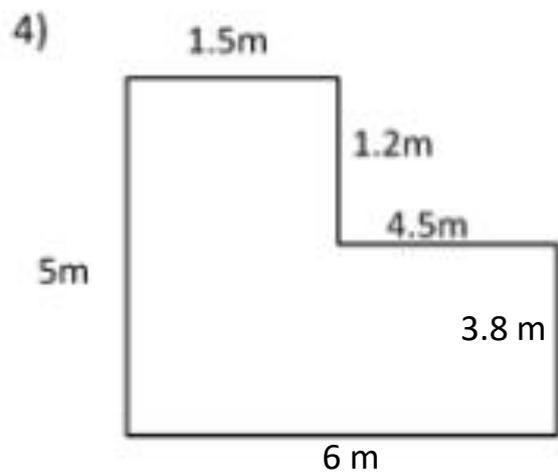
Perimeter = _____ cm



Perimeter = _____ mm



Perimeter = _____ cm



Perimeter = _____ m

WEDNESDAY

13.01.21

Literacy

	<u>Activity Description</u>	<u>Resources</u>																						
1	Using the subheading 'Working on the ISS', write a paragraph which includes the information you have discovered.																							
2	<p>Extension Activities</p> <p style="text-align: center;">Singular and Plural – one or more of something</p> <p>A. Convert each word into the singular or plural versions: one is done for you!</p> <table border="1" style="display: inline-table; margin-right: 20px;"> <thead> <tr style="background-color: orange;"> <th>Singular</th> <th>Plural</th> </tr> </thead> <tbody> <tr> <td>school</td> <td>schools</td> </tr> <tr> <td>fly</td> <td></td> </tr> <tr> <td></td> <td>cars</td> </tr> <tr> <td></td> <td>factories</td> </tr> <tr> <td>city</td> <td></td> </tr> <tr> <td>fish</td> <td></td> </tr> <tr> <td></td> <td>teeth</td> </tr> <tr> <td>lorry</td> <td></td> </tr> <tr> <td></td> <td>spies</td> </tr> <tr> <td>knife</td> <td></td> </tr> </tbody> </table> <p>1. school = schools</p> <p>B. Change each sentence making the noun into the plural:</p> <ol style="list-style-type: none"> 1. There's a fly in my soup! 2. That story is so boring! 3. His dog is barking. 4. My tooth was falling out. 5. I have a pink knife. 6. The woman was happy. <p style="background-color: yellow;">Challenge Think of three nouns that don't change in the plural.</p>	Singular	Plural	school	schools	fly			cars		factories	city		fish			teeth	lorry			spies	knife		
Singular	Plural																							
school	schools																							
fly																								
	cars																							
	factories																							
city																								
fish																								
	teeth																							
lorry																								
	spies																							
knife																								

Curriculum Activities

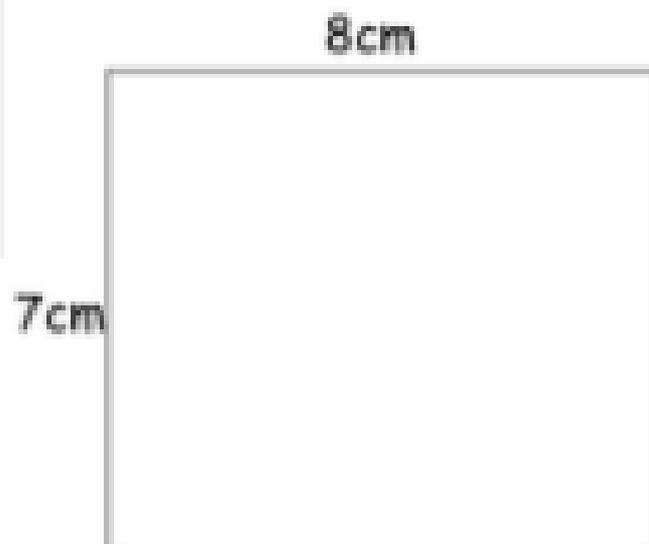
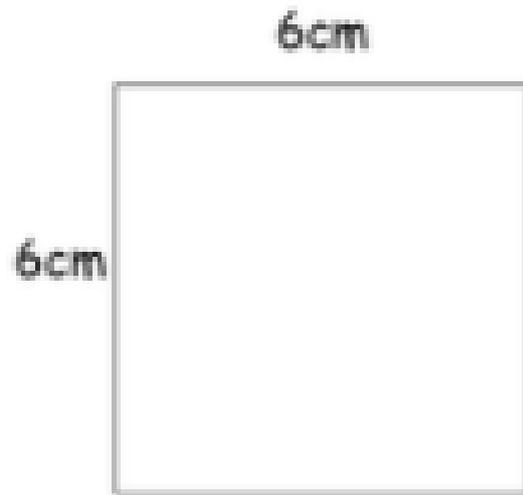
	<u>Activity Description</u>	<u>Resources</u>
1	<p>ICT/PSHE</p> <p>Recap all that we've discussed about e-safety by playing the Band Runner Game.</p> <p>Once you've played the game, watch the accompanying clips to remind yourself about keeping safe when playing online games or sharing via social media.</p> <p>*Remember to share any troubles you have online with your parents and carers. We are here at school to support you if you need any help or have any questions so don't hesitate to get in touch.</p>	<p>Band Runner Game: https://www.thinkuknow.co.uk/8_10/</p> <p>e-Safety videos: https://www.thinkuknow.co.uk/8_10/watch/</p>

Maths

	<u>Activity Description</u>	<u>Resources</u>
1	5 a Day <i>We complete these questions at the start of every Maths lesson. Children are encouraged to use written methods to work out their answers.</i>	1. $452672 + 84723$ 2. $36092 - 15537$ 3. 453×12 4. $9879 \div 7$ or $9879 \div 12$ 5. a) 0.67×10 b) $1726 \div 100$
2	Area 1. Use the BBC Bitesize link to watch a short video about how to calculate area. There are then activities to complete about calculating area on the web page. 2. Calculate the area of each shape (on the next page).	https://www.bbc.co.uk/bitesize/topics/zjbg87h/articles/zwqt6fr <i>Activity sheet is on the following page.</i>
3	Extension Activities Mathletics <i>Activities on area and perimeter are available under Section M – Length, Area and Perimeter</i>	

Area

Find the area of these shapes.



THURSDAY

14.01.21

Literacy

	<u>Activity Description</u>	<u>Resources</u>
1	<p>Using the subheading 'Fun Facts', write a paragraph which includes the information you have discovered.</p> <p><i>For this section you may prefer to use a bullet point list to record each different fact separately.</i></p>	
2	<p>Write a conclusion for your piece of work.</p> <p><i>Remember, your conclusion needs to sum up what your text has been about. You could mention what might be in store in the future for the ISS or you could link your closing statements back to your introduction.</i></p>	<p>Example:</p> <p>The ISS remains in orbit to this day and provides us with endless information about the universe and the possibilities of space exploration. Who knows what the human race might discover next!</p>

Curriculum Activities

	<u>Activity Description</u>	<u>Resources</u>
1	<p>Art</p> <p>Examine art works by Peter Thorpe.</p> <p><i>What do the pictures make you feel? Is this style similar to other art you've seen? How is it different to other artists' work that we have studied?</i></p> <p>Building on your rocket drawings from last week, choose one of his artworks to replicate or follow the tutorial (link in the box next door) to create an artwork in a similar style to the artist. You can use any materials (felt tips, crayons) to complete this – it doesn't have to be painted.</p>	<p>Artworks by Peter Thorpe</p> <p>http://www.peterthorpe.net/rockets.html</p>  <p>Peter Thorpe style tutorial:</p> <p>http://www.peterthorpe.net/rockets.html</p>

Maths

	<u>Activity Description</u>	<u>Resources</u>
1	5 a Day <i>We complete these questions at the start of every Maths lesson. Children are encouraged to use written methods to work out their answers.</i>	1. $2872.74 + 1829.03$ 2. $5637.94 - 3915.28$ 3. 184×49 4. $3467 \div 9$ or $3467 \div 22$ 5. a) $5 \times 3 \times 8$ b) $CXIV = ??$
2	Area and Perimeter Investigation <i>Let's put what you have learnt so far to the test!</i> How many rectangles can you draw that have the same area and perimeter? <i>Draw a rectangle and give the sides different measurements. Calculate the area and the perimeter and see whether they total the same. If not, try again!</i> <i>Are there any rules that you need to follow to get the same total?</i>	
3	Extension Activities Investigate how many ways you can make different squares and rectangles with the same area of 84 cm^2 What strategy did you use?  Mathletics <i>Activities on area and perimeter are available under Section M – Length, Area and Perimeter</i>	

FRIDAY

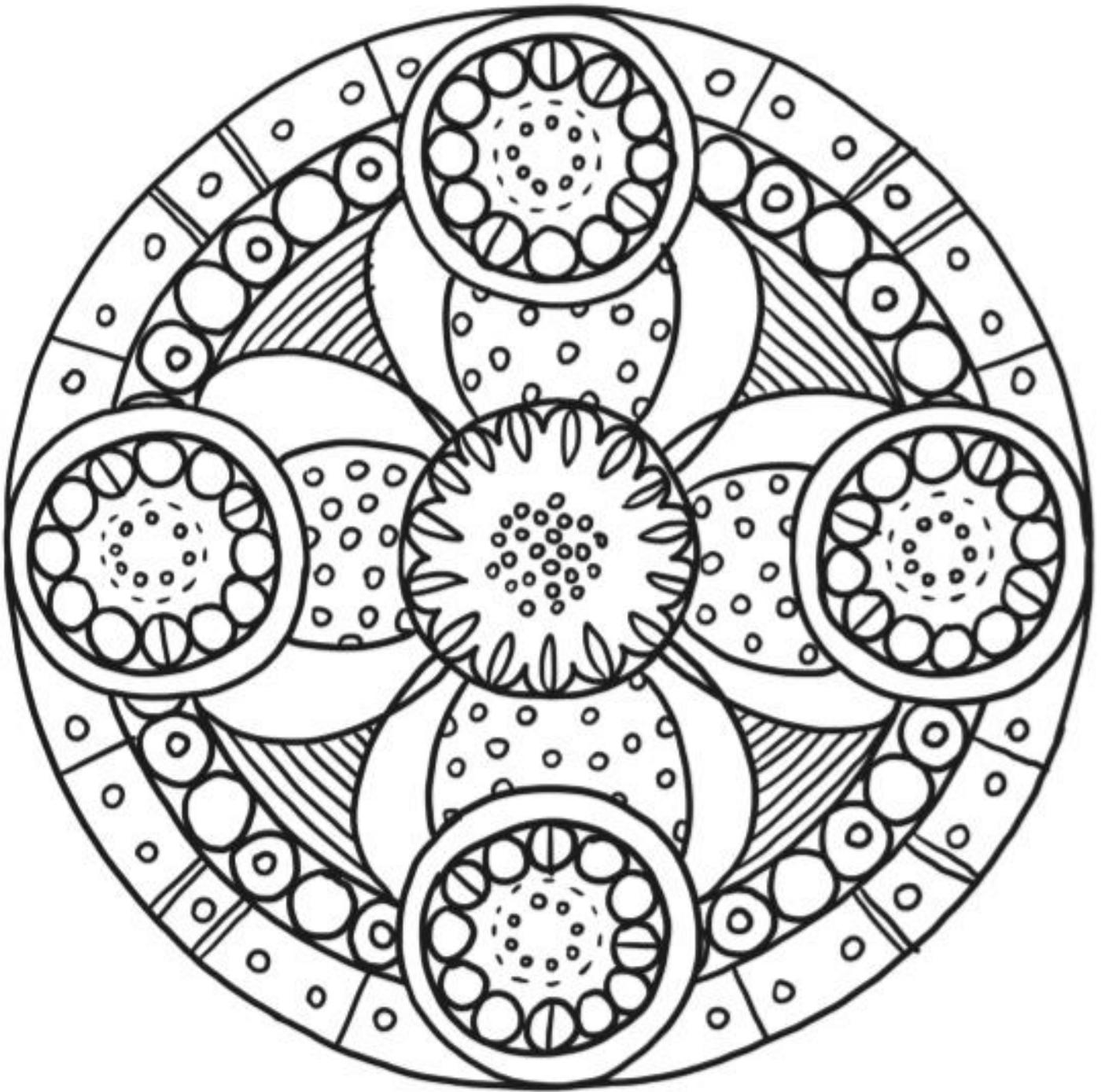
15.01.21

Literacy

	<u>Activity Description</u>	<u>Resources</u>
1	<p>Present your information text so that others can use it learn about the ISS.</p> <p><i>You may want to create:</i></p> <ul style="list-style-type: none"> • A poster • A leaflet • A PowerPoint presentation 	

Curriculum Activities

	<u>Activity Description</u>	<u>Resources</u>
1	<p><u>PE</u> Today we're going to do an active scavenger hunt around the house. The rule for this though is to only walk – no running! You have 30 seconds to touch the listed items and get back to your spot. Between each round, there are questions for you to answer. Here are some key words to help you answer them: cardiovascular: relating to the heart and blood vessels endurance: an activity that demands physical stamina flexibility: the quality of bending easily</p> <p><u>PSHE</u> It's really important to look after our mental health during this time. Below is a mindfulness colouring sheet for you to complete to help you feel more relaxed.</p> <p>There are also some links in the box next door to mindfulness breathing/stretching activities. These are designed to help you feel less stressed and calm. Try these whenever you feel worried or upset.</p> <p><i>Remember, we are here to support you if you need any help! Please don't hesitate to get in contact if you need any support during this time.</i></p>	<p>Scavenger Fitness Quest https://www.youtube.com/watch?v=oxeesc1SqFk</p> <p>Melting Flow https://www.youtube.com/watch?v=fTzXFPh6CPI</p> <p>Bringing It Down https://www.youtube.com/watch?v=bRkILioT_NA</p> <p>Rainbow Breath https://www.youtube.com/watch?v=O29e4rRMvV4</p>



Maths

	<u>Activity Description</u>	<u>Resources</u>
1	<p>5 a Day</p> <p><i>We complete these questions at the start of every Maths lesson. Children are encouraged to use written methods to work out their answers.</i></p>	<ol style="list-style-type: none"> 1. $678354 + 283742$ 2. $509353 - 92246$ 3. 345×28 4. $9283 \div 9$ or $9283 \div 35$ <p>Name as many different 2D shapes as you can. Write down how many sides each shape has.</p>
2	<p>Arithmetic</p> <p><i>Message from Miss Hanson:</i> <i>Remember to practise working quickly (but carefully!) on the arithmetic questions. I haven't included an Arithmetic test paper (because there would be too many pages) but I've copied the questions from the test so you'll recognise the different types of questions that we usually do.</i> <i>Try your best to answer each question and don't forget, if you don't know have a lucky guess!</i></p> <p>Answer each arithmetic question (found in the resources section).</p>	<p>Arithmetic Questions:</p> <ol style="list-style-type: none"> 1. 20×30 2. 45×100 3. $4567 + 2736$ 4. 3^2 5. $2/8 + 3/8$ 6. $1800 \div 9$ 7. $-4 + 7$ 8. $4 \times 3 \times 2$ 9. $30000 - 300$ 10. 5^2
3	<p>Extension Activities</p> <p><i>Have a go at writing a mathematical explanation to this reasoning question. Remember to give clear detail to prove that your thinking is correct.</i></p> <div style="border: 1px solid #ccc; padding: 10px; margin-top: 10px;"> <p>Sally says,</p> <div style="display: flex; align-items: center;"> <div style="border: 1px solid #00a0e3; border-radius: 10px; padding: 5px; background-color: #e0f0ff;"> <p>The two rectangles have the same area, so they must have the same perimeter.</p> </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="text-align: center;"> <p>2 cm</p> <div style="border: 1px solid black; width: 100px; height: 30px; margin: 0 auto;"></div> <p>9 cm</p> </div> <div style="text-align: center;"> <p>3 cm</p> <div style="border: 1px solid black; width: 100px; height: 30px; margin: 0 auto;"></div> <p>6 cm</p> </div> </div> <p>Explain why Sally is wrong.</p> </div>	