

Home learning target: 6

Year 6 Home Learning

Reading pond target: 30

Term 1

Weekly challenges:

Reading Challenge	Times Tables	Spelling	Maths
<p>Make sure you read at least five times a week at home to be entered into the reading pond!</p> <p>We're practising our comprehension skill; especially the skills of retrieval & inference. We are also looking at how we can use Point Evidence Explain, when answering questions about a text.</p> <p>Using a book of your choice, practise inferring what a character may be thinking or feeling. What is your evidence for this? What words lead you to think this?</p>	<p>Practice your target times table set for you on TTRS.</p> <p>Ideas: count up and down in your target times table; practice writing it forwards and backwards; ask a friend or family member to test you; practice division facts.</p> <p>Remember, get on TT Rock Stars every day! Can you earn 50 points in studio a day?</p>	<p>privilege, achieve, variety, immediately, professional, suggest, physical, average, system, individual, shoulder, leisure, stomach, frequently, embarrass</p> <p>Try some of the following strategies:</p> <p>Look, cover, say, write, check</p> <p>Word pyramids</p> <p>Draw pictures to remind you of tricky spellings</p> <p>Mnemonics</p>	<p>Each Monday, I'll set you a Purple Mash maths activity to complete. It will be linked to what we are learning that week, so show off what you know!</p>

Challenges for Term 1 - complete 6 of these activities to earn a home learning certificate.

English	English	Maths	Maths
<p>Take a trip to a local supermarket and explore the ways in which superfoods are promoted. How are nutritional foods, snacks or drinks advertised on TV? Write your own script for a television commercial advertising your own healthy food product. You could also draw your product.</p>	<p>Create a crossword puzzle using some of the key vocabulary from our topic, 'Fit for Life.' You'll need to show off your understanding of this topical vocabulary as you create interesting clues. Words such as: plasma, components, functions, blood, heart, aorta, ventricles etc.</p>	<p>Choose from Challenge A,B or C on the following page.</p>	<p>Measure your heart rate before and after exercise. Try and plot your measurements on a graph or a chart by measuring your heart rate for 30 seconds at regular 1 minute intervals after exercise. Then write a few sentences to explain your graph.</p>
Topic	Topic	Science	Mindfulness / Wellbeing
<p>Draw and label a diagram of the human heart. Can you explain the blood flow into and around the heart?</p>	<p>Conduct some further research into the famous local scientist 'William Harvey'. Can you find out some interesting facts about him? Consider why it's important that people know who he is.</p>	<p>Explain how the human circulatory system works and how blood is pumped around the body. Draw labelled diagrams to support your writing and present this in a fun, but factual way.</p>	<p>Always try and find the positives. At the end of each day, consider 'what went well' and have this conversation with your family or someone you trust. Allow them to also share good news and experiences from their day too.</p>

Maths challenges

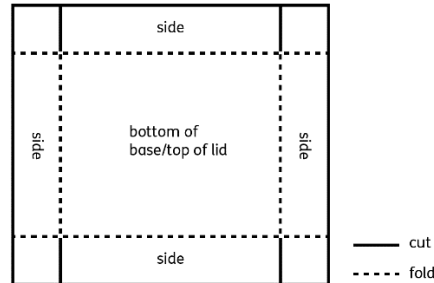
A - Number & place value word problems.

Jenna jumped 141 cm in her first attempt at the high jump and 128 cm in her second attempt. How much did she jump in total rounded to the nearest 10 cm?	Gloria sold approximately 3,450 lollies rounded to the nearest 10. What is the most amount of ice lollies she could have sold?
Yasir was checking the amount of money he made in his shop. In November he did not make any money; he lost money. His bank account showed -£140.00. In December, though, Yasir made £150.00. What is the difference between the money he lost in November and the money he made in December?	On Thursday, Harry the butcher sold 210 sausages. On Friday, he sold twice the amount that he had sold on Thursday. On Saturday he only sold 130 sausages. How many more sausages did he sell on Friday than Saturday?
Jacob and Dan wanted to put their money together to buy four video games. Each game costed £48.95. Estimate how much money they needed to buy all four games?	The candy floss stall sold 170 000 portions of candy floss (rounded to the nearest 10 000) throughout the weekend festival. What is the smallest possible amount of candy floss that could have been sold before the total was rounded?

B - Volume - making boxes

Volume means the amount of space occupied by a 3D shape. It is measured in cubed units like cm^3 . We multiply length \times width \times height.

Draw a plan like the one below onto squared paper, then make a number of lidless boxes with different volumes.



Find out what happens to the base of each box when you use a smaller piece of paper, and measure the height of the sides of each of the boxes. Can you work out how much each box can hold? Record your findings.

C - Converting measures

2) This table shows the heights of the tallest mountains on each continent in the world. Some of the measurements are missing.

Mountain	Height (m)	Height (km)
Mount Everest (Asia)		8.848km
Kilimanjaro (Africa)	5895m	
Denali (North America)	6068m	
Mount Elbrus (Europe)		5.642km
Aconcagua (South America)	6960m	
Mount Kosciuszko (Australia)	2228m	
Vinson Massif (Antarctica)		4.897km

Convert between metres and kilometres to fill in the missing measurements in the table.

Which two mountains have a difference in height of 892m?

Beverly climbed 11 076m. Which two mountains did she climb?

What is the smallest number of continents I would need to visit to climb 15 000m?

On my around the world trip, I visited three continents and climbed 16 434m. One of the continents I visited was Africa. Which other two continents did I visit?

Write your own word problem about the heights of these mountains for a friend to solve. Can you challenge yourself and write a two-step problem?