



Year 5 Home Learning

Below is a list of other learning you can do at home. You will find the resources for many of the activities attached, and can use the workbook to record your learning.

English Reading


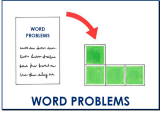
Daily Reading	Read a book of your choice and record your reflections in your reading log. Try to read at least 1 hour a day and vary your text choices (narrative books, newspapers, poetry, books by different authors, blogs etc.)
Book Review	Use the template to create your own report for a book you have read.
Book Comparison	Read two different genres of books / two books with the same genre but different authors. Reflect on which of the 2 books you preferred and why. Reflect on similarities and differences you noticed, themes linking the books etc.
Character Analysis	Using a character in your book, write up a character analysis, thinking about character traits, your feelings, their attitudes etc. Use the plan below to help.

English Writing


Diary Writing	Keep a daily journal of your time at home and of your learning. Remember to include the events, and your thoughts and feelings.
Story Writing	Use the story map to plan your plot, characters, and setting. Then write your own story including modal verbs, adverbs, pronouns, adverbials, and a range of punctuation. After telling your story out loud to an audience, can you edit / up level it further?
Newspaper Report	Create your own newspaper/blog about current affairs and experiences. Write the same article in the style of a broadsheet and tabloid by varying your writer's voice. Include headings, subheadings, direct and reported speech, and a range of vocabulary and punctuation.
Upleveling and Editing	Recap GPS features learnt and see if you can "uplevel" examples in real-life magazines, newspapers, reports, websites etc. Can you find and uplevel: <ul style="list-style-type: none">- Adverbials- Adverbs, pronouns and modal verbs- Range of punctuation- Varied clause structures (main, subordinate, relative, embedded)
Speech Writing	Write a speech on a topic of your choice. Include your point of view, and what evidence you will use to back it up. Can you deliver your speech to an audience, or record a video to send to your teacher? Think about how you deliver the speech? Think about: <ul style="list-style-type: none">- Repetition

	<ul style="list-style-type: none"> - Facts and opinions - Varying sentence structure - Themes running through paragraphs - Modal verbs to show certainty
Non-Chronological Report	<p>Research about a key period/event (e.g. Olympics, Suffragettes, Indus Valley, Aztec Period, World War 2, Australian Bush Fires etc.) and write a non-chronological report.</p> <p>Think about:</p> <ul style="list-style-type: none"> - Headings and paragraphs - Introduction and summary - Facts and technical language - Formal tone - Range of punctuation

Maths

Times Tables Rockstars	Take part in daily times tables competitions, or test your speed by answering multiplication and division questions on https://ttrockstars.com
Four Operations Flashcards	<p>Create your own flashcards for the four operations. Put the question on one side, and the answer on the back. Can you quiz yourself, or have a friend quiz you?</p> <p>Addition – Add whole numbers with more than 4 digits, including using formal written methods (with carrying) and numbers with decimal points</p> <p>Subtraction – Subtract whole numbers with more than 4 digits, including using formal written methods (with exchanging) and numbers with decimal points</p> <p>Multiplication – Multiply whole numbers together (up to 2 digits) including numbers with decimal points</p> <p>Division – Divide up to 2-digit numbers by up to 2-digit numbers (with remainders)</p>
Arithmetic	Practice your arithmetic skills by completing the tests and arithmetic worksheets below.
Fractions	<p>Complete the fractions investigations using your knowledge of fractions. Remember to use the key vocabulary:</p> <p>Numerator</p> <p>Denominator</p> <p>Mixed number</p> <p>Improper fraction</p> <p>Unit fraction</p>
Maths Story	 <p>Create your own Maths stories using the operations of your choice. Could you quiz yourself, or a family member?</p>
Word Problems	 <p>Create your own reasoning problems any of your maths learning. Could you quiz yourself, or a family member?</p> <ul style="list-style-type: none"> - Four operations - Fractions - Angles - Shapes

Science




<p>STEM Project: Tower Bridge</p> 	<p>Can you create your own bridge to go from one surface to another? What materials will you use? Remember to follow the scientific process for a STEM project:</p> <ul style="list-style-type: none"> - Ask – identify the needs and constraints - Research – research the problem - Imagine – develop possible solutions - Plan – select a promising solution - Create – build a prototype - Test – test and evaluate the prototype - Improve – redesign as needed <p>Record each stage of your project in your workbook, either by writing a reflection, drawing a picture, or by sending a video to your class teacher.</p>
<p>Earth and space</p>	<p>Create your own replica of the solar system. Use different materials to create your own version of the Milky Way. Research facts about each planet and add them as extra information.</p>
<p>Science Investigations</p>	<p>Find an exciting experiment to complete on the website: https://sciencebob.com/category/experiments/ https://sciencefun.org/kidszone/experiments/</p> <p>Keep track of your findings, results, and reflections in your workbook, or by sending photos or videos to your class teacher.</p>

History/Geography

<p>Historical Figure Biography</p>	<p>Research information on a famous person from the past. Why are they important to you, and to our world today? What were their accomplishments?</p> <p>Write a biography about the famous person. Ensure to include:</p> <ul style="list-style-type: none"> - Early Life - Key moments or accomplishments - Why they are famous - Why they are significant in our world today
<p>Roman Empire</p>	<p>Conduct your own research on the Anglo Saxons and Vikings. How will you present the information you have learnt? Consider creating a presentation, portfolio, video, blog, diorama, etc.</p> <p>Key questions for you to consider are:</p> <p><i>What is settlement, and how is immigration different from invasions and conquests?</i></p> <p><i>What was the time link between the Bronze Age and the Romans? (what was Britain like at the time of the Roman Invasion, why did they invade and where did they invade?)</i></p> <p><i>Investigate the Roman Army and understanding of the term 'empire' (Who was in the Roman Army, where did they come from and why were they successful?)</i></p> <p><i>Why was Boudica important and how she is remembered today? (who was Boudica, why was she angry, what did she do and why do we remember her?)</i></p>

	<p>What would it have been like to live in Greenwich in Roman times? (what was life like, how did the area grow?)</p> <p>Why did the Romans leave and what is their legacy? (Why did the Romans leave Britain and what do we have in everyday life that was introduced by the Romans?)</p>
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Art/DT

Drawing	<p>Using your sketching skills, draw your own cityscape. Use artists such as Aisha Haider, Willem Haenraets, Paul Kenton and more as inspirations.</p> 
Collage/Sculpture	<p>Collect recycled materials from around your house and create your own collage or sculpture. Could you use a book or artist as inspiration?</p> 
Self-portraits	<p>Create your own self-portrait using your observation skills? Use Paul Klee as inspiration by "talking a line for a walk" and challenge yourself to create a self-portrait with your pencil never leaving the page</p> 

PE

Circuit sessions	<p>Pick 6 exercises to complete (including a rest break). These should be varied and focus on a range of muscle groups (e.g. don't just do legs!)</p> <p>Warm up, by doing each exercise for 1-minute focusing on your technique and getting the movement correct (clips on youtube can help with this).</p>
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	<p>Once you are feeling warm, perform each activity for two minutes (with minimum break) you should be aiming to perform each action to full effort, without losing your form.</p> <p>Cool down with gentle stretching of the whole body</p> <p>You can increase difficulty by adding weight (e.g. 2 tins of food) or by using a taller chair for some of the exercises</p> <p>Ensure you risk assess each area for any possible hazards and ensured that you are in good physical health to do so. If you are feeling unwell or displaying symptoms please consider rest.</p>
Online resources	<p>Cosmic Yoga is an online platform for yoga, mindfulness and relaxation. https://www.youtube.com/user/CosmicKidsYoga?pbjreload=10</p> <p>Supermovers BBC combines the different topics to specific actions and dances to get people moving https://www.bbc.co.uk/teach/supermovers</p> <p>The body coach has 5-Minute Kids Workouts and adult centric circuit sessions. Look out for his healthy recipe ideas also Youtube Body Coach 5 minute Kids Workout</p> <p>Nuffield Health for Kids is a registered health provider in the UK who have created a small exercise video that can be done daily https://www.youtube.com/watch?v=aHVR2FnTpdk</p> <p>GoNoodle creates dances and movements to some of the most random topics imaginable! https://www.youtube.com/user/GoNoodleGames</p>

French

Labelling	<p>Use an online French-English dictionary to label familiar objects around your house with post-it notes or scrap paper. E.g. chair = chaise</p>
Music	<p>Listen to French music online (Youtube / Spotify) and see if you can translate any of the words – or create your own song in French</p>

My Book Review

Title: _____ Author: _____

What is your book about? (no spoilers)

What you particularly liked about the book:

- Who was your favourite character, and why?
- Did the characters feel real to you?
- Did the story keep you guessing?
- What was your favourite part of the book, and why?
- Were certain types of scene written particularly well - for example sad scenes, tense scenes, mysterious ones...?
- Did the book make you laugh or cry?
- Did the story grip you and keep you turning the pages?

What you particularly disliked about the book:

- Did you wish the ending hadn't been a cliffhanger because you found it frustrating?
- Did you find it difficult to care about a main character, and could you work out why?
- Was the story too scary for your liking, or did it focus on a theme you didn't find interesting?

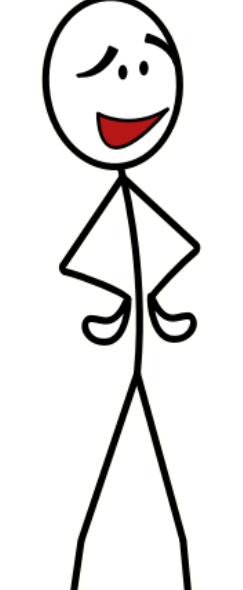
Summarise your review

- Any books you could compare it to?
- Who would you recommend the book to?
- How would you rate it?



Character Analysis

Directions:

<p>TRAIT / TEXT</p> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>	<p>TRAIT / TEXT</p> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>
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Plan a diary entry

Success Criteria:

- First person
- Past tense
- Range of adverbials
- Informal tone
- 5 senses
- Range of punctuation
- Rhetorical questions
- Adverbs

Introduction:

Feelings

Thoughts

Feelings

Thoughts

Feelings

Thoughts

Main:

Ending:

The diagram illustrates the structure and flow of a diary entry plan. It features three main text areas: 'Introduction:', 'Main:', and 'Ending:', each with a large lined box for writing. Surrounding these are five circular boxes labeled 'Thoughts' and 'Feelings'. A large black arrow points from the 'Introduction:' box to the first 'Thoughts' circle. Another large black arrow points from the 'Main:' box to the 'Ending:' box. Orange arrows indicate a sequence of thought and feeling: from the first 'Thoughts' circle to the 'Feelings' circle, then to the 'Main:' box, then to the 'Ending:' box, then to the 'Thoughts' circle, then to the 'Feelings' circle, and finally to the 'Main:' box.

KS2 Story Mountain Plan

Problem

Build up

Solution

Scene setting

Climax

INTRODUCTION (Remember the 5 W's)

This image shows a blank sheet of white paper with horizontal blue or grey ruling lines, typical of notebook paper. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

QUOTES I WILL USE (Remember inverted Commas)

[illegible]

PARAGRAPH 2 (Go into more detail about who and what)

[illegible]

HEADLINE

PARAGRAPH 3 (Go into more detail about where and when)

[illegible]

Sentence Openers and Connectives that I will use are:

[illegible]


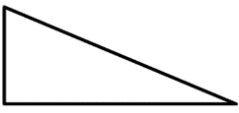
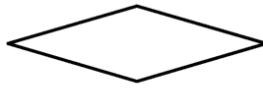
CONCLUSION (You might need to change tense – what is happening now and in the future)

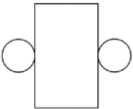

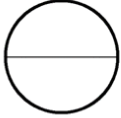

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Newspaper Report Template

[illegible]

[illegible]

1)	Work out $0.7 + 0.8$	
2)	Write the Roman numerals XXXVII in figures.	
3)	Which of these fractions is equivalent to a half? $\frac{1}{3}$ $\frac{2}{5}$ $\frac{3}{6}$ $\frac{4}{9}$ $\frac{5}{8}$	
4)	$42 \div 6$	
5)	Write down the number eighteen thousand and twenty-seven	
6)	Fill in the missing number $4081 = 4001 + \underline{\hspace{1cm}}$	
7)	Write down two numbers with a sum of 9 and a difference of 1.	
8)	How many vertices in a triangular pyramid? 	
9)	Write all down the factors of 15. <u> </u> <u> </u> <u> </u> <u> </u>	
10)	Add together $6\frac{1}{2}$, 5 and $3\frac{1}{2}$	
11)	I have £10. I spend £2.70. How much do I have left?	
12)	What is the value of $x + 7$ when $x = 3$?	
13)	What is $\frac{1}{3}$ of 21?	
14)	A plane journey takes $6\frac{1}{2}$ hours. If I set off at 8:40am, what time will I arrive?	pm
15)	A pen costs £4.60. How much will 2 pens cost?	
16)	A piece of rope measuring 4m is cut into 8 equal lengths. How long will each piece be?	
1)	0.6×4	
2)	Which two of the numbers below are prime? 17 14 15 18 19 10	
3)	How many acute angles? 	
4)	What is the perimeter of a square with sides 50cm?	
5)	Which of these numbers are divisible by 5? 32 51 45 20 18	
6)	Add together $\frac{2}{10}$, $\frac{3}{10}$ and $\frac{4}{10}$	
7)	$9278 = 9008 + \underline{\hspace{1cm}}$	
8)	What is the name of this shape?  trapezium rectangle rhombus square	
9)	Round 3.48 to the nearest whole number.	
10)	A 2kg chicken takes 15 minutes plus 25 minutes per 500g to cook. How long do I need to cook it for? <u> </u> h <u> </u> min	
11)	I buy 10 raffle tickets at £1.60 per ticket. How much money have I spent?	
12)	$\frac{1}{4}$ of 32 subtract $\frac{1}{3}$ of 18	
13)	What is the value of the expression $2x + 1$ if $x = 6$?	
14)	Sally spends £4.30 on a sandwich and £2.50 on a drink. How much change from £10?	
15)	In a class, $\frac{2}{5}$ of the children are boys. What fraction are girls?	
16)	I set off at 7:40am. My journey takes 45 min. When do I arrive?	

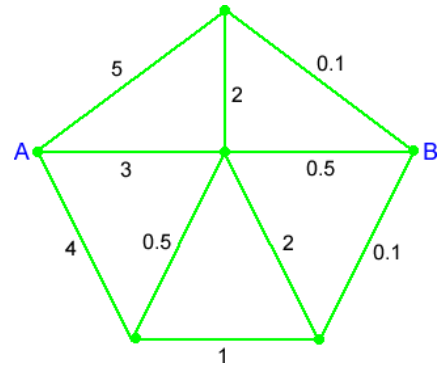
1)	$2.5 - \underline{\quad} = 1.8$	
2)	Simplify $\frac{10}{40}$	
3)	$72 \div 6$	
4)	What 3d shape does this net make? 	
5)	Find two numbers with a sum of 16 and a difference of 4.	
6)	Which fraction is the smallest? $\frac{3}{5}$ $\frac{1}{2}$ $\frac{2}{3}$ $\frac{4}{7}$ $\frac{3}{8}$	
7)	What is the value of $3x - 2$ if x is 4?	
8)	What do I need to add to 0.93 to make 1?	
9)	Write down the factors of 18. _____	
10)	What is the probability of rolling an even number on a 6-sided dice? 	
11)	Captain buys a 100g bar of chocolate. He eats $\frac{3}{5}$ of his bar. How many grams of chocolate are left?	g
12)	In a chest there are some gold coins. Captain takes half the coins. Sally takes a quarter of the coins. There are 3 coins left. How many coins were in the chest at the start?	
13)	(1 foot = 12 inches) 38 inches = _____ feet _____ inches	
14)	The side of a regular pentagon is 7cm. What is the perimeter?	cm
15)	$\frac{3}{10} + \frac{2}{5}$	
16)	A calculator costs £3.99. How much are 3 calculators?	\$
1)	60×8	
2)	$1 - \underline{\quad} = 0.72$	
3)	$\frac{2}{3}$ of 24	
4)	$10 \times (7 + 6)$	
5)	Find the value of y if $y - 8 = 15$.	
6)	What is this part of the circle called? <i>diameter radius circumference sector</i> 	
7)	$4\frac{1}{4} + 3 + 5\frac{1}{2}$	
8)	In a class, $\frac{4}{7}$ of the children like football. What fraction do not like football?	
9)	I am a triangle with 1 obtuse and 2 acute angles. Who am I? 	
10)	What are the next two numbers: 1, 3, 6, 10, 15, 21, _____, _____	
11)	What is the probability of rolling a 3 on a 6-sided dice?	
12)	Entry to a zoo costs £30 for an adult and £25 for a child. How much would it cost for 2 adults and 3 children?	
13)	Five children play a computer game and score 12, 15, 7, 8 and 10 points. What is the median score?	
14)	A paperclip is made out of 9.8cm of wire. How many paperclips could I make with 1 metre of wire?	
15)	I travel at 50 miles per hour for 4 hours. How far have I gone?	
16)	A train journey takes 3h 40min. If I arrive at 1:30pm, what time did I set off?	

Y5 Fraction Investigations

Meal time

Create your own meal (e.g. 4 slices of pizza, 2 orange cartons, 10 apples etc.)
How would you share the meal if $\frac{2}{3}$ people were sharing?

Route Addition



There are lots of different routes from A to B in this diagram:

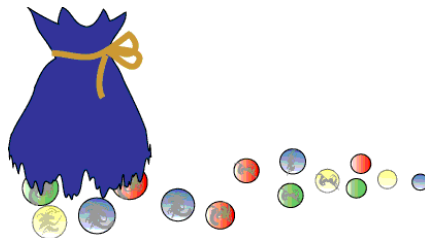
The idea is to add the numbers on these different routes from A to B. Let's say that in a route you are not allowed to visit a point more than once.

For example, you do $3 + 0.5 = 3.5$

Which routes gives you the smallest and largest numbers?

Andy's Marbles

Andy and his friend Sam were walking along the road together. Andy had a big bag of marbles. Unfortunately the bottom of the bag split and all the marbles spilled out. Poor Andy!

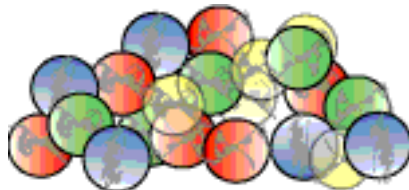


One third (13) of the marbles rolled down the slope too quickly for Andy to pick them up.

One sixth (16) of all the marbles disappeared into the rain-water drain.

Andy and Sam picked up all they could but half (12) of the marbles that remained nearby were picked up by other children who ran off with them.

Andy counted all the marbles he and Sam had rescued.



He gave one third (13) of these to Sam for helping him pick them up. Andy put his remaining marbles into his pocket. There were 14 of them.

How many marbles were there in Andy's bag before the bottom split?

What fraction of the total number that had been in the bag had he lost or given away?