YEAR 5





Hi Year 5! Welcome to Apprentice Week! For the next couple of weeks, we thought we would put your designing and marketing skills to the test! This will entail taking part in a range of tasks requiring you to think, problem solve, be creative, design, persuade, reflect, in spire, make decisions and evaluate. Think about what each of these skills need/mean.

Thank you to all those who sent in tie designs – we loved looking at them! We will be letting you know the next stage of the process shortly. Following on from your work looking at different people in the arts last week, Miss Wilkinson has created a list of biographies to inspire some wider reading. The list is included in the resources below.

Let us know what you get up to and as always you can send any photos to Twitter @OldburyPark. Have fun! Mr Williams Mrs Tudge Miss Wilkinson Mr Burnage Ms Carter

EVERY DAY	A. 8,874 x ? = 8,874	B. 1,518 ÷ 6 =		A. ² / ₅ of 90 =	B. 48.3 ÷ 100 =	
Daily Maths lessons - https://whiterosemaths.com/homelearning/	C. 87.3 ÷ 10 =	D. 41 + 30 =		C. 67 x 32	= D. 80 – 28 =	
Watch the video and then complete the written task (these could be	E. 83,328 - 76,397 =	1		E. 12,384 ·	-15 942 -	
printed out or you could just write the answers in the book we sent	E. 05,520 - 70,557 -	A. 7 x ? = 42	B. 70 – 29 =	E. 12,504	13,043 -	
home). This is 30-40 minutes work.		C. 37 x 37 =	D. 8 + 3 + 8 =			
This week is addition and subtraction (Week 7 of the summer term		E. 32,764 - 21,863 =				
videos and activities, however you need to click the 'Already covered		2102,704 22,000		A. ² / ₉ of 162 =	B. 866 x 6 =	
this content' box and follow the videos from here.)	A. 996 + 7 =	B. 32,764 - 21,863 =		A. g 01 102 -	b. 600 x 0 -	
Answers now saved as a separate document on the school website.				C. 130 – 39 =	D. 87.4 ÷ 10 =	
Mathletics – 15-20 minutes (more if you wish).	C. 9.38 ÷ 100 =	D. 91 + 30 =		E. 3,410 ÷ 6 =		
We have also included the Fluency in 5 resources for arithmetic	E. 674 x 6 =	7		,		
practice.						
Read for at least 15 minutes						

Additional tasks for this week (22/6/20) English Topic Monday: Reading - It has become part of our routine to complete a reading Try and complete at least one of the following... comprehension to start the week, so here is one called The Contraption. It's in a History – Choose a product which we use/rely on every slightly different format, and the questions relate to VIPERS (We're sure you will day. Who invented it? How has it evolved over time in be able to explain what these stand for to your grown up!) which we use in school. Resources are included below. terms of its appearance, purpose, functionality and cost? Tuesday: Task 1 – Imagine you have your own business. Think of a name for your What impact has it had on our lives? You could present company. What is it important to consider when naming a business? What makes your research as a timeline or a series of annotated a good business name and what wouldn't work as well? Why? This link will take photographs or any other way you choose. you to a list of names considered by teams on the TV show The Apprentice. Some of these may inspire you. Find out what some of them mean if you don't already <u>DT – Have a look at this design lesson from BBC Bitesize.</u> https://www.bbc.co.uk/bitesize/articles/zrkr47h know. https://brilliantprojectleader.wordpress.com/resources/apprentice-teamnames/ As an extra challenge, design a logo for your company using your chosen You may just want to watch the video clips and find out about the design process, or you may like to carry out one name. What makes a strong logo? Wednesday: Task 2 – Package and Slogan Design of the activities included: designing your own packaging Read email one (included in the resources below). Your job is to create a slogan using a net or designing a holder for a device. and design the packaging for the chocolate bar. Carry out some research first. What makes packaging stand out? What slogans do you know? What makes some Science – Biscuit Dunking Challenge more memorable? Some ideas are provided below too. Create an ideas page, This week we would like you to use the biscuits you have trying things out before deciding on and presenting your final design. at home to design a fair test to see which biscuits last the Thursday: SPAG – Persuasive Techniques longest when you dunk them. For example, a custard Use this PowerPoint to revise different techniques used to persuade. Have a go at cream may last 21 seconds before it crumbles, but would a some of the activities suggested along the way. chocolate digestive last longer? How could you design an https://www.twinkl.co.uk/resource/au-t2-e-3536-years-3-6-persuasive-devicesinvestigation to find out the answer? Don't forget to make powerpoint a prediction and to record your results! Share you Friday: Task 3 – Persuasive Poster conclusions with us on Twitter. We would love to see pictures! Have a look at the poster included in the resources. Which persuasive techniques can you identify? French – First conversations Annotate the poster. Now think about how this could Use the comic strip below to write a short conversation in be adapted for your chocolate bar using your slogan. French. Use the weather vocabulary you have learnt to ask Try to include some of the other features: rhetorical what the weather is like, then write a response. question, group of 3, exaggeration. Present your poster - you could do this by hand or digitally. PE - Fitness Challenge Cards Use the challenge cards below to test your fitness levels. How many can you do? Can you test a family member or friend to see if they can beat your personal best?

<u>Spellings</u>

Converting nouns or verbs into adjectives using the suffix -ful

boastful faithful doubtful fearful thankful beautiful pitiful plentiful fanciful merciful

Can you think of any other words that could be on this list?

For an extra challenge, choose 3-5 words from your reading book that are new to you, are words that you know you often get wrong, or are words that you just fancy learning!













		N
		ŝ
+		lqu
+ 2	7	ete
4	4 3	ţ
456		ŝ
6	σ	Complete the column additions.
		n
		add
+		litio
2	7	ins.
4	4	
+ 2 4 6 6	4 3	
6	თ	

4 digits (column method)

Add whole numbers with more than

White Rese Morths

	+			
	2	7		
	5	4		
	6	ω		
	6	м		
	+			
	ω	7		
	ъ	4		
	6	ω		
	6	თ		

Θ

٩

井

т

-

0

() **(**) **(**) **(**)

6

6

Complete the calculations.

What do you notice about each addition?

What stays the same? What changes?

+
1

6

00

6 6

88

3 Complete the additions. Use the place value chart to help you.



Explain the mistakes that Dexter and Eva have made.

		+	
	3 3 6 2 1 1		ω
	ω	-	Ν
	6	2	4
-	Ν	4	œ
-	-	7	4
-	-	ഗ	6
		+	
-	4	2	-
-	7	م	7
-	0	ω	6
	0	თ	σ
	47004		4

	ω		Ν
	6	Ν	4
-		4	
-		7	
-		ப	6
		+	
1	4	+ 2	1
1 1	7	م	7
1 1 1	7	م	7
1 1 1	7	+ 2 9 3 5	7

cter's
cter's workings
EVa
Eva's workir

Dexter's 1 Eva's workings

17,654 + 2,935

324,846 + 12,475

Mr Hall has written these additions on the board.

00

+ 872 = 10,000

٩

b) 1,026 +

= 10,000

The table shows the number of home and away fans attending

G

three football matches.

Match

Home fans

Away fans

•

Use the column method to work out the additions.

•

<u>e</u>

٩

+

Ν 4

œ _

4

+ Ν

> 4 œ

9 4

89926

89926

Complete the additions.

a) £36,000 + £19,420

c) 843 cm + 15,611 cm

b) 40,720 g + 6,872 g

d) £17,320 + £6,009 + £34,871

Zomplete the additions.

a) 735 +

= 1,000

ω 35,480 32,490

Which match had the greatest total attendance?

_ Ν 53,640 42,630 18,340 12,930



I ω 4 5 б

20 7 9



miles



2 Round each number to the nearest 10,000 to estimate the answer to the calculations. a) 12,063 + 29,580 + b) 47,640 - 9,485 -	2 9 3 7 + 1 8 7 0 - - - - - - - -	1,870 rounded to the nearest 1,000 is	 Rosie is working out 2,937 + 1,870 Rosie rounds each number to the nearest 1,000 to estimate the answer. Complete the sentences. 2,937 rounded to the nearest 1,000 is 	Round to estimate and approximate
d) £12,005 + £3,978 - £6,172 =	 b) 873 + 9,618 = c) 79,382 - 8,716 = 	 4 Complete the calculations. Use approximations to check your answers. a) 3,845 km + 7,006 km = 	Use approximations to show that Annie is incorrect.	3 Annie works out 7,320 + 912 The answer

				G
Over 65	16 to 65	Under 16		The table shows the number of people of different ages living in three towns.
1,949	35,835	3,765	Town A	he number of pe
9,821	14,100	8,283	Town B	ople of different
656	24,554	10,301	Town C	ages living in

Estimate which town has got the greatest population.

6 Are these statements correct? How do you know?

a) 29,999 - 9,999 = 30,000 - 10,000

b) 17,550 + 10,570 > 17,550 + 9,985

c) 17,990 + 75,980 - 17,990 = 12,975 + 75,980 - 12,975

Mo has made a mistake with this calculation.

Use rounding and approximating to show how you know.



White Rose Mattle 2019







Tommy works out 12,350 + 7,903 incorrectly.

	+	
م	7	<u> </u>
-	م	2
ω	0	ω
œ	ω	ഗ
0		0

What calculation should he do? Correct Tommy's answer. Is this a good idea? Talk about it with a partner. Tommy checks his calculation using the same addition.

@ White Rose Maths 2019



• White Rose Maths 2019

Real



The Contraption

"You're doing it wrong again!"

Hanna sighed. Pippa was her best friend, but she was so uptight about everything. "I'm sorry!" Hanna called back. She heard a muffled grunt in the mechanism above her. Enormous metal cogs bit into each other, and steam hissed out of well-worn seals in the copper piping that covered the walls like a maze.

The contraption had been Pippa's idea. She was the brains behind the whole thing. Hanna tried to consider herself the brawn, but one look at her scrawny arms and sparrow legs told her that wasn't true either. They'd been working on it together for the last few months, and it was finally getting close to testing time.

Something whistled in the bowels of the machine. Hanna heard her friend whoop and holler and bang her wrench on the metalwork. "It's working," Pippa called down. "Get her wound up, and we'll be ready to test it."

The winding rod was slick with sweat, so Hanna wrapped an oily rag around it and started to wind it slowly. There was a lot of resistance. She knew that the other end of the rod was attached, via a system of cogs and pulleys, to a screw that wound down into the river below. By winding the wheel, she'd start to draw up water into the enormous sump up above. From there, it would be turned into steam that would power the contraption.

A strong wind picked up outside. Hanna heard the creak of the wooden masts twisting as the sails caught the breeze. The contraption rocked but steadied quickly. Sweat dripped into Hanna's eyes, but it would all be worth it. That was the beauty of her friend's new creation. Pippa wasn't content with just being amazing at harnessing the steam, she was, above all else, an alchemist.

Hanna still remembered the day when Pippa came bursting out her lab with a small vial of vivid green liquid. "This is Infinitum!" she'd shouted. Hanna knew she must have looked perplexed

all resources 02019 Literacy Shell http://www.literacyshedplus.com because Pippa had grabbed her by the hand and dragged her into the lab. There, a wheel no bigger than a coin was mounted on an axis. As they both watched, it spun, and spun, and spun. And it didn't stop.

"Infinitum actually generates energy when it it gets hot!" Pippa exclaimed. "The wheel spinning on the bearing generates a small amount of heat through friction. This new liquid turns that heat back into more energy. It will never stop spinning!"

Fast-forward a few months and Pippa had built the contraption. She didn't have enough Infinitum to power the machine; instead, she was planning to use it to heat the steam-engine. Providing they drew enough water into the super-hot centre of the machine, it would never slow down and never stop.

Hanna gritted her teeth and wrenched the wheel harder. She heard her friend call down from the hatch up above, "It's full...you can stop. Come and see this! It's working!"



INFERENCE FOCUS

- 1. How do you know that Hanna thinks Pippa is the more intelligent of the two?
- 2. What do we know about Pippa's character? Explain how.
- 3. How did Hanna feel when Pippa first showed her Infinitum?
- 4. What was Pippa's biggest passion?
- 5. How hard was Hanna working? How do you know?

VIPERS QUESTIONS

V S R E S

Which word or phrase tells you that Pippa is good at using steam to help her?

What was the point of the wheel Hanna was turning?

- What was the name of Pippa's new creation?
- Why do you think the new creation is called Infinitum?

Draw a labelled diagram of what you think the contraption might look like, using evidence from the text.

> all resources 02019 Literacy Shed http://www.literacyshedplus.com

Answers:

- 1. She refers to her as the brainy one
- She is focused but uptight it tells us. She is very clever, especially at alchemy. She was amazing at harnessing steam
- 3. Confused she said she looked perplexed and Pippa had to explain
- 4. Alchemy/being an alchemist
- 5. She was working very hard the rod was sweaty and sweat started to drip into her eyes

V: Harnessing

- S: It would draw water up into the contraption to power the steam engine
- R: Infinitum be careful not to confuse with the contraption
- E: Because it allows the device to run infinitely/for infinity
- S: Accept any diagram including pertinent information from the text

EMAIL ONE

Email Inbox +) 🗙
Reply Forward	
TO: Design Company	
SUBJECT: Blazin' Rasins Chocolate bar	
Hi,	
We have been passed your details by Sir Alan Lord. We need help with the design and marketing of our chocolate bar 'Blazin' Rasins' and we would like your company to come up with:	
•A logo	
•A slogan	
•A packaging design	
We have already formulated the recipe for the bar and the details of the product are as follows:	
•Ingredients: Bar 1: Dark chocolate and small chunks of popping candy. Bar 2: Milk chocolate and raisins.	
•Taste: Bar 1: Dark and tasting of cocoa but with the random 'blazing' effect of the pieces of popping candy. Bar 2: Smooth with the milk chocolate and fruity with the raisins.	
•Appearance: A single bar with an easily snappable plain chocolate 'bridge' connecting the two parts of the bar together. Bar 1 has 'Blazin' imprinted on it. Bar 2 has 'Raisins' imprinted on it.	11
•Ways people have describe the war in focus group tests: unusual, wow, different, funky, eye popping, like a box of chocolates in a bar, fun.	
•Target market: Young people aged approximately 11 – 16 who have slightly outgrown 'sweets' but who still have a taste for 'candy'.	
We trust you will make a really professional job and would expect you to start by researching slogans, logos and packaging already in use by other chocolate bar manufacturers.	
Thanks in advance – we look forward to seeing the results of your hard work.	
The Blazin' Rasins team	



Some ideas ...













































Tired of your usual chocolate?

ALKA STOBREKCHOCKS WND HWAE V AKEVAA. ALUGEAL AORE OZAVT BOEIVIC ZMEEAL -

The luscious taste of rich creamy chocolate at half the price of other brands







Fitness Circuit Cards

Bunny Jumps

Do 10 bunny jumps:

- How far can you travel?
- How high can you jump?
- Can you jump higher or further than your friend?



Fitness Circuit Cards

Star Jumps

Do star jumps for one minute: 🌂

• How many can you do?



Fitness Circuit Cards

Sprints

Sprint the length of the court, then walk back. Repeat this for 1 minute:

 How many lengths can you do?



Fitness Circuit Cards

Skipping Track

Skip around the circuit:

- How many laps can you do?
- Are you faster than your friend?
- Can you skip backwards?

Fitness Circuit Cards

Tuck jumps

Do 10 tuck jumps:

- How high can you jump?
- Can you jump higher than your buddy?
- How many tuck jumps can you do without stopping?



Fitness Circuit Cards

Step Ups

Find a bench or step and do step ups – one leg at a time, for a minute:

- How many steps can you do?
- Can you do jump ups? (both legs at once)

Fitness Circuit Cards

Push Ups

Do push ups for a minute:

- How many can you do?
- Can you do push ups with one hand or one foot?
- If it is hard, you can do push ups with your knees down.

Miss Wilkinson's Recommendations for Reading Biographies

Here are some of my favourite biographies for children that are written about inspirational people from the past and present. They are all widely available to buy online. Let us know who you find inspiring!

Portrait of an Artist: Georgia O'Keefe by Lucy BrownridgeThe Story of Martin Luther King Jr. by Christine Platt Rosa Parks, My story by Jim Flaskins



Rosa Par



Stories for Boys Who Dare to be Different by Ben Brooks

Young Cifted and Black by Jamia Wilson





I am Malala: How one Cirl Stood up for Education and Changed the World by Malala Yousafzai

Greta and the Giants by Zoe Tucker



Mae Among the Stars by Roda Ahmed.



Diary of a Young Cirl (Anne Frank)

Fantastically Great Women Who Changed the World by Kate Pankhurst.

Frida Kahlo: Portrait of an Artist by Lucy Brownridge





Sir Peter Blake- Most known for his work on the Beatles album covers

Mary Blair- Disney Artist- Pocket full of Colours by Jaqueline Tourville





Jacob Lawrence (American painter) Jake Makes a World by Shafira Rhodes- Pitts & Christopher Myers

I AM NOT A LABEL: 34 Disabled artists, thinkers, athletes andd activists from past and present (including Prof Stephen Hawking, Stevie Wonder and many more) by Cerrie Burnell.





David Bowie: Little People BIG DREAMS series by Maria Isabel Sanchez Vegara