

2 weeks work pack/ activity ideas for Year 5:

**Literacy/ writing: 10 activities: 5 which link with our book and 5 creative writing tasks.**

Tasks which link in with our class book 'The Explorer':

1. Write a guide/ set of rules on how to survive in the Rainforest (Think about the book- what they have found and done) For each rule/ guide explain why it is important to follow it- what could the dangers be if you don't?
2. Imagine you are either: Fred, Con, Lila or Max- write a letter to a family member explaining what has happened, what you have been through and how you are feeling. Remember it will be an informal letter as you are writing to someone you know.
3. Write a short review of the book so far:
  - What have you liked about it so far? Why?
  - What would make it better? Why?
  - Who is your favourite character? Why?
  - What do you think will happen next? Why?
4. Write an opening to a story which involves a plane crash. Remember the 5 w's: who, what, where, when and why.
5. Describe an animal which lives in the Amazon Rainforest without mentioning what it is- can your description be so good I can work it out just by your description?

Creative writing tasks:

6. If you could have any fictional character as your best friend, who would you choose and why? What would you do together?
7. If you had one superpower, what would it be? Explain why you have chosen that superpower, what you would do with it and how it would change your life.
8. Recreate a new ending for the last book you read.
9. Describe your future robot servant! Imagine a future in which we each have a personalised robot servant. What would yours be like? What would it do? What would it look like? What would it talk like? What features would it have?
10. You have just discovered a new planet. Tell the story...

**Maths: 10 activities.** 5 re-cap activities of what we have learnt so far and 5 investigations.

Re-cap on previous learning:

1. Quick re-cap of what we have learnt so far. There are 25 questions and you have 30 minutes to answer them:

15.  $36 \times 100 =$   
16. 2 cubed=  
17.  $45,600 + 12,800 =$   
18.  $60 \times 3 =$   
19.  $45 \times 18 =$   
20. 5,435 divided by 5=  
21. 29 is a prime number- prove it.  
22.  $6,300 + \dots = 10,000$   
23.  $\frac{2}{9} + \frac{1}{3} =$   
24.  $29,475 - 12,576 =$   
25.  $12 \times 8 =$   
26.  $3.45 =$   
27. Round to nearest 100: 39,564  
28.  $563,853 =$   
29.  $\frac{2}{5} + \frac{1}{6} =$

1. 900 divided by 10=  
2. 4 squared=  
3.  $66,354 + 28,465 =$   
4. All prime numbers are odd- true or false? Prove it  
5.  $19 \times 36 =$   
6. 8475 divided by 3=  
7. Round to nearest 1,000: 19,886  
8.  $\frac{6}{8}$  is equivalent to  $\frac{3}{4}$ . True or false? Prove it.  
9.  $9 \times 9 =$   
10.  $319,343 =$   
11. Double 78  
12.  $770 \times 100 =$   
13. Halve 4,600  
14.  $18 \times 99 =$

30. Use < or > to compare:  
4.56 4.50  
31.  $91,474 - 10,000 =$   
32.  $23 \times 294 =$   
33. 5 squared=  
34. Turn into mixed:  $\frac{19}{4}$   
35. Turn into improper:  $3\frac{3}{4}$   
36.  $\dots + 18,500 = 30,000$   
37.  $998 \times 25 =$   
38. List the prime numbers between 10 and 20  
39. CXVI=  
40. Write 29 in Roman Numerals.  
41.  $8 \times 40 =$   
42. Order largest to smallest:  
  
2.96, 2.9, 1.8, 3.3, 2.99, 3.22

2. Using what we have learnt so far this year (place value, addition & subtraction, multiplication & division, fractions and decimals) create your own maths test- 20 questions – make sure you include the answers to your questions too!
3. Write instructions for a new times table game we could play in class to help us with our times tables.
4. Here's the answer, what's the question? I am going to give you an answer: **200** and you need to write down all the different maths questions which could lead to that answer (eg.  $100 \times 2$ ,  $50 \times 4$ ) Give yourself 15 minutes to have a go and see how many you can come up with.

5. You have 5 minutes to see how many you can complete:

X	1	2	3	4	5	6	7	8	9	10	11	12
4												
11												
3												
1												
9												
6												
2												
8												
7												
10												
5												
12												

Investigations:

### 6. Four Integers-

Using four different integers (positive number) and the x symbol make the highest possible result.

All the integers have to be used.

For example: 3, 7, 5, 1 gives  $157 \times 3 = 471$  or  $37 \times 51 = 1887$ .

Now chose four other integers and make the largest result using only multiplication.

What conclusions can you make?

What predictions can you make about 5, 6, ... digit

## 7. 1, 2, 3, 4

Using the digits 1, 2, 3 and 4 and +, -, x and  $\div$  symbols make the numbers from 1 to 30.

Each of the numbers has to be used every time, for example  $1 + 2 + 3 + 4 = 10$ .

## 8. Creepy Crawlies

Ross collects lizards, beetles and worms. He has more worms than lizards and beetles together. Altogether in the collection there are twelve heads and twenty-six legs. How many lizards does Ross have?

## 9. Palindromes

Think of a three-digit number. Reverse the digits to generate a second number. Subtract the smaller from the larger. Reverse the digits again. Add the two new numbers.

e.g.            341  
                  143  
  
                  198  
                  891  
  
                  1089

Do you always get 1089? If so, why?

Try with 2, 4, 5 digit palindromes.

## 10. Always, Sometimes, Never

All prime numbers are odd.

If the digits of any number add up to a multiple of 3, then the number is divisible by 3.

Multiplying by any number always makes the result larger.

Adding something to a number always makes it larger.

Subtracting something from a number always makes it smaller.

Dividing a number by something always makes it smaller.

**Reading:** 6 activities to run alongside reading, as should be reading at least 3 times a week.

1. Write 5 sentences about the last bit of reading you did.
2. Write at least 2 sentences about your favourite character in the book you are reading and tell me why that character is your favourite.
3. Re-read a chapter – pick out 10 words that you feel are powerful words and that you could use in your own writing.
4. How does the story hook you in at the beginning? Make a list of words or phrases that you feel are effective in making you want to read on.
5. Think of 5 questions you would like to ask one of the characters. Then write their answers as if you were that character.
6. Before you finish the book, write down a prediction for the ending.

**Science activities: 4 activities. 2 which link with what we have been doing in class and 2 easy experiments you can do at home (if you can).**

1. Gestation periods- what are they? Do all animals have the same gestation period? Find out and write a couple of sentences about 5 different animals and their gestation periods- does your finding support the idea that they are all the same?
2. What happens to our bodies as we get old? Can you research and create a 'things to expect as you age' piece of writing.
3. Make an egg float in salt water- An egg sinks to the bottom if you drop it into a glass of ordinary drinking water but what happens if you add salt? The results are very interesting and can teach you some fun facts about density. Write what you found.
  - Pour water into glass until its half full
  - Stir in lots of salt(about 5 tablespoons)
  - Carefully pour in plain water until the glass is nearly full
  - Gently lower in the egg and watch what happens
4. Using materials you can find at home. Make and test a parachute! Write how you made it, what materials you used and how it worked when you dropped it.

**Topic (geography) activities: 4 activities.**

1. Tell me 10 interesting facts about Brazil and tell me why you chose those particular facts.
2. If you could only live in one country out of: England, Wales, N.Ireland, Scotland, Portugal or Brazil- which one would it be and why?
3. Write 3 things that the UK and Portugal have which are similar/same and 3 things which are different.
4. Write 3 things that Portugal and Brazil have which are similar/same and 3 things which are different (comparisons)

### **Art activities: 2 activities**

1. Draw a portrait of yourself- think carefully about your features and where you should draw them.
2. Find an artist who interests you and using their style create a piece of artwork- tell me who the artist is on your drawing.

### **PSHE activities: 2 activities**

1. What impact does it have on us when we help others? I want you to write a couple of paragraphs about: Why we should help others, who we could help, what we could do to help others and how it makes us feel when we help others.
2. Honour: Think of people who you think deserve honour and suggest ways to honour them (at least 2 different people)

### **RE activities: 2 activities**

1. Re-cap: In your own words write what a Messiah is and what incarnation means and what Christians were looking for in a Messiah.
2. Imagine that there is a God: if this God sent a new messenger to Earth in the twenty-first century, what would the messenger say? It would need to be a message for all people, not just those who believe in God! Write down your ideas.