



-Year 5 Blended Learning Plan- Week beginning: 18th January 2021



English ~ See attached PDF Document for attached reading.

Space (Part Two) Discover what it takes to become an astronaut, the exciting space explorations lined up for 2020 and beyond, and delve into the fictitious planet, Pandora.

Monday LO: To write an informative leaflet.

Explore how to become an astronaut by reading these texts, making notes as you read each one.

Read: The Usborne Official Astronauts Handbook by Louie Stowell:

<https://www.lovereadings4kids.co.uk/book/11250/The-Usborne-Official-Astronauts-Handbook-by-Louie-Stowell.html>

Read Page 5 'How to Become a NASA Astronaut' of Cool Astronomy 50 Fantastic Facts for Kids of All Ages by Malcolm Croft: <https://www.lovereadings4kids.co.uk/book/12345/Cool-Astronomy-50-Fantastic-Facts-for-Kids-of-All-Ages-by-Malcolm-Croft.html>

Read Spacekids website: Ever wondered what it takes to become an astronaut

<https://www.spacekids.co.uk/astronauts/>

Activity: design a short guide / leaflet for NASA titled '**How to Become an Astronaut**'.

The guide is for children aged around 9-11 to inform them of what it takes to become an astronaut. Using what you have read, create your leaflet/guide.

You may wish to include these features:

- Instructional writing
- use the 2nd person You to write your guide 'If you're thinking of becoming an astronaut... You will need...'
- Rhetorical questions as sub-headings, such as 'What will you need?'
- Clear diagrams / labelled pictures to support your information - Presentational features such as bullet points/ numbering to order your information.



Tuesday LO: To write a script for a TV News report.

Read: Find out about the history-making SpaceX rocket which has just landed at the International Space Station – making notes as you read: BBC Newsround – SpaceX docks to ISS: NASA astronauts land safely and make history: <https://www.bbc.co.uk/newsround/52526849>

Watch: CBBC Newsround: https://www.bbc.co.uk/newsround/news/watch_newsround

Activity: Imagine BBC Newsround have asked you to do a TV news bulletin for their show about the SpaceX rocket landing. **Write a news report script about the landing.** To help when writing your news script, think about including these points:

- Introduce yourself and explain what your news is, in a short summary sentence 'Good evening, my name is... Tonight's main news is...'
- Stick to the key facts
- Making the news as clear as possible
- Include quotes from the astronauts which can be found in the article
- Give a closing statement to end your bulletin 'I'm ... and this has been tonight's news. Goodnight.'

 Record your News report for you Class Dojo page! 

English continued....

Wednesday LO: To create an informative poster about Mars.

Watch:

Mars 101 – National Geographic: <https://www.youtube.com/watch?v=D8pnmwOXhoY>

Read: NASA Space Place - All About Mars: **(Note: contains American spellings).**

<https://spaceplace.nasa.gov/all-about-mars/en/>

NASA plans to have people land on Mars in the next ten years. Explore which spacecraft might get them there and what it would be like to travel to Mars by watching and reading these sources:

Watch: Orion: Journey to Mars – How Will We Get to Mars? Space Week Live Channel 4:

<https://www.youtube.com/watch?v=FZDymr-usdA>

Read National Geographic Kids: Mars Mission <https://www.natgeokids.com/uk/primary-resource/mission-mars-primary-resource/>

Activity: Based on all you have read and watched about Mars and the mission to land there, create a poster with interesting facts and information which might appear in a space magazine.

Thursday LO: To write an advertisement.

Explore the fictitious planet 'Pandora' from the film Avatar by watching the clip below. (Note: Although Avatar has a 12 certificate, this extract is age appropriate).

Watch: Pandora Discovered: https://www.youtube.com/watch?v=GBGDmin_38E&t=11s

After watching once, watch again – this time making notes about the planet as you watch. You may find pausing the clip at these times helpful to write down your notes:

0:00 – 0:56 mins → Write notes.

0:56 – 2:04 mins → Write notes.

2:04 – 3:33 mins → Write notes.

3:33 – end. → Write notes.

Activity: Based on the notes you have written, create a page which might appear in a travel brochure, advertising a space trip to Pandora.

When writing your advertisement, consider these points:

👉 - Have you included an enticing title which will draw the reader in?

👉 - Begin with an opening paragraph which gives an overview of Pandora and why they might want to visit.

👉 - Include short subsections which describe what they might see if they took the trip.

👉 - Don't forget to use persuasive features, such as: appealing adjectives to describe the attractions, rhetorical questions, imperative verbs, e.g. 'grab a ticket' 'book now', facts and figures about Pandora.

👉 Remember to keep checking through your work for spelling and punctuation.

Friday LO: To Write a diary entry.

Read:

Watch: Re-watch the Pandora video from yesterday's session. As you are watching, imagine you are an astronaut about to embark on a journey to Pandora. Make a note of the parts you would love to explore and also the places/things which you would be nervous to encounter. Pandora Discovered:


https://www.youtube.com/watch?v=GBGDmin_38E&t=11s

Activity: Write a diary/ blog about your experiences – using the notes you gathered to help you.


🗨 Before writing your diary/blog entry, plan out each section/paragraph – consider the astronaut's thoughts and feelings with these events: the spaceship journey, landing on Pandora for the first time, visiting a place on Pandora, thoughts and feelings about the next day.

Spelling, Punctuation and Grammar (SPaG)

Spelling:

 **Penguins** - Spelling Rule 1 - Adding suffixes beginning with vowel letters to words of more than one syllable.

<https://spellingframe.co.uk/spelling-rule/8/1-Adding-suffixes-beginning-with-vowel-letters-to-words-of-more-than-one-syllable>

 **Puffins** - Spelling Rule 37 - Endings which are spelt **-cious** or **-tious**
<https://spellingframe.co.uk/spelling-rule/7/37-Endings-which-sound-like-spelt-cious-or-tious>

***Make sure you are confident with the Year 3 and 4 Spelling list too!**

Extension activities:

- Use the Year 5 and 6 word mat and practise 5 words a day.
- Create a wordsearch using Key Year 5 words.
- Make a cross word puzzle with your spellings.

Natural Curriculum – SPaG website

<https://www.naturalcurriculum.co.uk/>

BBC Bitesize and complete some of the Grammar activities:

<https://www.bbc.co.uk/bitesize/topics/zhrrd2p>



Guided Reading

Reading – Txt Talk

Deductive questions questions.

Be a detective and look for clues, proof and evidence in the text!

Monday Before reading the text...

- Why do people send texts? Make a list of 5 reasons why someone might send a text.
- What do you notice about how the title 'Txt talk' is spelt? Is this a mistake? Why or why not?
- Imagine you wanted to send the following message. How might you text it?
Sebastian, can you meet me before six o'clock. Thank you.
- Why do you think people text like this?

Tuesday Essential vocabulary questions:

1. Is text talk formal or informal?
2. On a scale of 1-10, how informal do you think text talk is?
3. Highlight the following text talk in the extract and write the formal version:

Informal	Formal
B4	
L8	
Cud	
Wen	
2	
Sat	
Soz	
Luv	
Pls	

4. Re-write the following message formally: *Phn me wen u get in 2nite. I wana spk 2 ure mum. Thnx.*
5. Do you think using these abbreviations is a good thing? Explain.
6. Why do you think texting in this way might be a bad thing?

Wednesday Main Questions

1. Draw a picture of what you might wear to Phil's party. Explain your choice. Why might Phil want to know if you are coming to the BBQ before Wednesday?
2. Which text is from somebody called Jill? Why do you think this person wants her mum to text rather than phone her? What do you think the 'J' at the end of the text stands for?
3. What do you think the relationship between 'J' and her mum is like? Why do you think this?
4. Which phone will not be able to text much longer? Why?
5. Which text does NOT use informal talk? Why do you think this?
6. Did the sender of the bear joke find it funny? Explain why you think this joke made him laugh.

Thursday Evaluative Questions

1. Look at each text, why do you think it was written? Give a reason for each text.
To request To invite To apologise To inform To entertain
2. Do you think mobile phones are a good or bad thing for children to have? Make a 'for' and 'against' list.

Friday Reading for pleasure!  Access Collins eBooks online! 

Make sure to upload your answers to your Dojo page!

TEXT TALK

1

Hi Liz, Ope ure ok.
I'm avin a BBQ on
Sat. With all this
sun, it shud b gr8!
Wana cum? Da fun
starts at 12. Let
me know b4 Weds
if u can make it.
Don't b L8 - he, he.
Phil ;-)

2

Do u get this?
A bear walks into a news
agents n says 'xcuse
me...
Can I av a newspaper pls?
Certainly, Sir' replies the
shopkeeper. But why the
big paws?
LOL

5

Here is the
information that
you requested:
Parsview Cinema
Complex - Batman
Returns - 12A
- Last Showing:
21:45 - Tickets
available.
Additional texts
cost 25 pence
each. Please do
not reply to this
message.

3

Soz m8! Wud luu 2
cum but I can't make
it this wk end. My
sis is cumin ova 4
T. Ow about nxt Fri
instead? We cud go
swimmin. I'll phn
u wen I av enur
credit. :-)

4

Mum, cud u do me a
fava? My throat is killin
me - I think I av tonsillitis.
Cud u phn da docs 4 me
pls n TXT ME wen my
appointment is? Lots ov
luv, J xxx

Maths ~

Consolidation of Multiplication and division

Watch the video for the session, work along with it and complete the questions showing your working out. Then complete both worksheets that are attached below.

All work needs to be submitted to Class Dojo – take a picture or video talking through your working.

Additional challenges can be found on the BBC Bitesize website, TopMarks <https://www.topmarks.co.uk/> and Times Table Rock Stars. <https://trockstars.com/>

If you have any questions, please send me a message on Class Dojo.

Miss Lee ✨

Monday LO: To multiply by 10.

Watch: Multiply by 10. <https://vimeo.com/474984652>

Activity: complete the activities in the video along with the **worksheet** below this page.

Tuesday LO: TO multiply by 100.

Watch: Multiply by 100. <https://vimeo.com/474994600>

Activity: complete the activities in the video along with the **worksheet** below this page.

Wednesday LO: To divide by 10.

Watch: Divide by 10. <https://vimeo.com/475113712>

Activity: complete the activities in the video along with the **worksheet** below this page.

Thursday LO: To divide by 100.

Watch: Divide by 100. <https://vimeo.com/475385464>

Activity: complete the activities in the video along with the **worksheet** below this page.

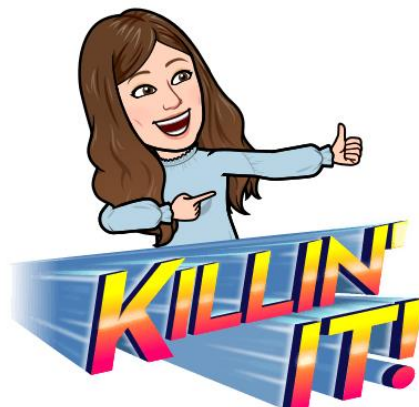
Friday LO: To multiply by 9.

Watch: Learn 9 Times Multiplication Table | FINGERS. <https://www.youtube.com/watch?v=wCpyag9XLgI>

Activity: complete the activities in the video along with the **worksheet** below this page.

CHALLENGE! **Make your own times table rap/ music video to help you remember!**

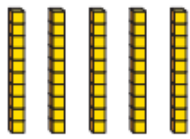
Watch: [https:// www..com/watch?v=cGsrC6ZPVMG](https://www..com/watch?v=cGsrC6ZPVMG)



Multiply by 10



1 Complete the calculation shown in base 10



$5 \times 1 \text{ ten} = \square \text{ tens}$

$5 \times 10 = \square$

2 Complete the number sentences.

a) $2 \times 10 = \square$

d) $7 \times 10 = \square$

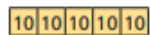
b) $4 \times 10 = \square$

e) $10 \times 6 = \square$

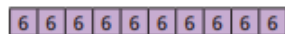
c) $10 \times 8 = \square$

f) $\square = 3 \times 10$

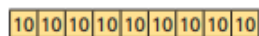
3 Match the bar models to the multiplications.



5×10



10×9



6×10

6 Use counters on a place value chart to work out 23×10

$23 \times 10 = \square$

7 Which of these is the odd one out? Tick your answer.

There are 10 teams with 7 players on each team.

There are 10 red flowers and 7 yellow flowers.

There are 7 ten frames with 10 counters in each.

Talk about it with a partner.

8 Complete the calculations.

a) $45 \times 10 = \square$

e) $10 \times \square = 140$

b) $36 \times 10 = \square$

f) $\square = 40 \times 10$

c) $\square = 10 \times 78$

g) $32 \times 10 = 10 \times \square$

d) $31 \times \square = 310$

h) $670 = 2 \times 5 \times \square$

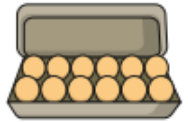
9 Eva walks 60 m to school.

Teddy walks 10 times as far as Eva to school.

How far does Teddy walk to school?

Teddy walks m to school.

4 Tom has 10 boxes of eggs.
There are 12 eggs in each box.
How many eggs does he have altogether?



Tom has eggs.

5 Complete the sentences.

H	T	O
	10	1 1 1
	10	1 1 1
	10	1 1 1
	10	1 1 1
	10	1 1 1
	10	1 1 1
	10	1 1 1
	10	1 1 1
	10	1 1 1
	10	1 1 1

Each row has ten and ones.

There are rows.

The calculation is \times =

10 Amir thinks of a 2-digit number.

He multiplies it by 10



My answer is between 755 and 795

Write all the numbers Amir could be thinking of.

11 Chocolates come in boxes of 8 and 10



Rosie needs to buy 80 chocolates.

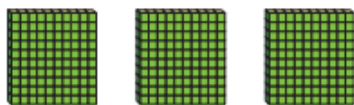
a) What boxes could Rosie buy?

b) What is the fewest number of boxes Rosie needs to buy?

Multiply by 100



1 Complete the calculation shown in base 10



$3 \times 1 \text{ hundred} = \square \text{ hundreds}$

$3 \times 100 = \square$

2 Complete the number sentences.

a) $2 \times 100 = \square$

d) $5 \times 100 = \square$

b) $4 \times 100 = \square$

e) $100 \times 10 = \square$

c) $100 \times 8 = \square$

f) $\square = 20 \times 100$

3 There are 7 boxes of 100 crayons.



Circle the calculations that work out the total number of crayons.

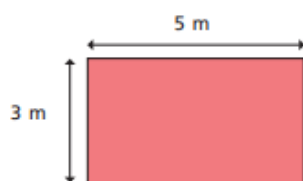
$100 + 7$

100×7

$7 + 100$

7×100

6 Calculate the perimeter of the rectangle.



Give your answer in centimetres.

The perimeter of the rectangle is \square cm

7 Write $<$, $>$ or $=$ to compare the statements.

a) 45×100 \bigcirc 45×10

b) 36×100 \bigcirc 100×36

c) 100×27 \bigcirc 26×100

d) 31×100 \bigcirc $31 \times 10 \times 10$

e) 30×10 \bigcirc 3×100

4 Match the images to the calculations.

Complete the calculations.



$9 \times 100 = \square$



$6 \times 100 = \square$



$12 \times 100 = \square$

5 Complete the calculations.

a) $32 \times 100 = \square$

d) $5 \times 7 \times 100 = \square$

b) $29 \times 100 = \square$

e) $\square \times 100 = 6,500$

c) $100 \times 72 = \square$

f) $100 \times \square = 3,000$

8 Amir thinks of a 2-digit even number.

He multiplies it by 100

His answer is greater than 3,450 but less than 3,750

Write the number that Amir is thinking of.

9 Four children are making numbers using base 10

The table shows how many of each piece they use.

	Number of 100s	Number of 10s
Eva	17	0
Ron	15	8
Dexter	16	15
Whitney		

a) What number has Eva made?

b) Who has made the biggest number?

c) Whitney has made the same number as Eva.

She used 100s and 10s.

What pieces could Whitney have used?

Write your answer in the table.

Are there any other answers? Talk about it with a partner.



Divide by 10

1 Complete the calculation shown by the array.



$40 \div 10 = \square$

2 Complete the calculations.

- a) $30 \div 10 = \square$
- b) $60 \div 10 = \square$
- c) $90 \div 10 = \square$
- d) $80 \div 10 = \square$
- e) $100 \div 10 = \square$
- f) $\square = 120 \div 10$

3 Balloons come in bags of 10

Huan has 130 balloons.
How many bags does he have?



Huan has \square bags of 10 balloons.

5 Mr Smith has this amount of money.



He buys some rulers costing 10p each.



Mr Smith spends all of his money.
How many rulers does he buy?

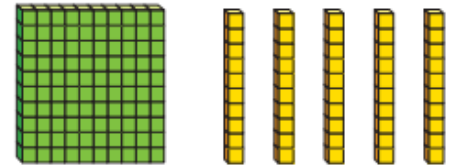
\square

6 Aisha has a bag of 10p coins.
She has £3 and 40p altogether.
How many 10p coins does Aisha have?

Aisha has \square 10p coins.



4 a) Whitney makes 150 using base 10



I am going to exchange my hundred for tens

Complete the sentences.

$150 = 1 \text{ hundred} + \square \text{ tens}$

$1 \text{ hundred} = \square \text{ tens}$

Whitney has \square tens altogether.

$150 \div 10 = \square$

b) Make 230 using base 10

Complete the sentences.

$230 = \square \text{ hundreds} + \square \text{ tens}$

$\square \text{ hundreds} = \square \text{ tens}$

There are \square tens altogether.

$230 \div 10 = \square$

7 Fill in the missing numbers.

a) $360 \div 10 = \square$

d) $\square \div 10 = 41$

b) $630 \div 10 = \square$

e) $\square = 75 \text{ tens} \div 10$

c) $10 \times \square = 520$

f) $86 = \square \text{ tens} \div 10$

8 A pool is 10 m long.

Annie and Mo are swimming lengths of the pool.
Annie swims 85 lengths.
Annie and Mo swim 1,240 m in total.
How many lengths does Mo swim?

\square

9 Complete the calculations.

a) $360 \div 10 \div 3 = \square$

c) $720 \div 10 \div \square = 8$

b) $450 \div 10 \div 5 = \square$

d) $\square \div 10 \div 4 = 1$

Divide by 100



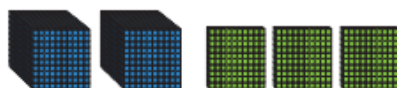
- 1 There are 400 pins altogether.
The pins are packed in jars of 100
How many jars are there?



- 2 Complete the calculations.

- a) $700 \div 100 = \square$ d) $7,000 \div 100 = \square$
 b) $800 \div 100 = \square$ e) $8,000 \div 100 = \square$
 c) $200 \div 100 = \square$ f) $\square = 2,000 \div 100$

- 3 a) Teddy makes 2,300 using base 10



I will make groups of 100



Complete the sentences.

$2,300 = 2 \text{ thousands} + \square \text{ hundreds}$

$1 \text{ thousand} = \square \text{ hundreds}$

$2 \text{ thousands} = \square \text{ hundreds}$

Teddy has hundreds altogether.

$2,300 \div 100 = \square$

- 5 Complete the number sentences.

- a) $40 \div 10 = \square$ b) $80 \div 10 = \square$
 $400 \div 10 = \square$ $800 \div 10 = \square$
 $400 \div 100 = \square$ $800 \div 100 = \square$
 $4,000 \div 100 = \square$ $8,000 \div 100 = \square$

What patterns can you see?



- 6 Complete the calculations.

- a) $100 \times \square = 1,200$ d) $\square \div 100 = 35$
 b) $6,200 \div 100 = \square$ e) $\square = 35 \text{ hundreds} \div 100$
 c) $100 \times \square = 5,200$ f) $96 = \square \text{ hundreds} \div 100$

- 7 Eva and Tommy collect gems in a computer game.

Each gem is worth 100 points.

At the end of the game, Eva has 4,300 points and Tommy has 800 points.

How many gems did they collect in total?



How did you work this out?



- b) Make 3,700 using base 10

Complete the sentences.

$3,700 = 3 \text{ thousands} + \square \text{ hundreds}$

$3 \text{ thousands} = \square \text{ hundreds}$

There are hundreds altogether.

$3,700 \div 100 = \square$

- 4 One hundred 1p coins is equal to £1

- a) Dexter has seven hundred 1p coins.

How many £1 coins is this equal to?

- b) Aisha has seven thousand 1p coins.

How many £1 coins is this equal to?

- c) Jack has 170 1p coins.

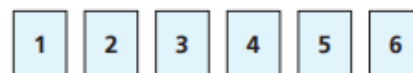
He says, "This is the same as £17"

Is Jack correct? _____

How do you know?

- 8 Use the digit cards to fill in the gaps.

You may use each digit card once only.

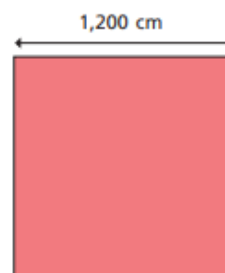


$3_ \times 100 = _ , 400$

$6, _ 00 \div 100 = _ 2$

$_ , 500 = 10 \times _ 0 \times 55$

- 9 The side length of a square is 1,200 cm.



- a) What is the perimeter of the square in metres?

- b) A rectangle has the same perimeter.

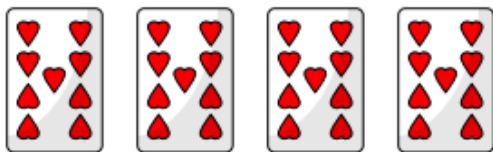
What could the length and width of the rectangle be?

length = width =

9 times-table and division facts



- 1 How many hearts are there in total?
Complete the multiplication fact.



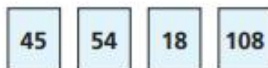
× =

- 2 Colour all the multiples of 9

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

What pattern do you notice?

- 5 These numbers are all multiples of 9



- a) Show that the sum of the digits of each number is the same.

- b) These numbers are also multiples of 9



What is the sum of the digits of each number?

- c) Whitney has noticed something about the sum of the digits of numbers that are multiples of 9.



What do you think Whitney has noticed?

- d) 7,59_ is a multiple of 9
What is the missing digit?

Use the 100 square to complete these calculations.

$72 \div 9 = \square$ $27 \div 9 = \square$

- 3 Complete the calculations.

- a) $3 \times 9 = \square$ g) $6 \times 9 = \square$
 b) $\square \div 9 = 12$ h) $9 \times \square = 18$
 c) $9 \times 4 = \square$ i) $9 \times \square = 72$
 d) $\square \div 9 = 1$ j) $\square \div 9 = 11$
 e) $11 \times 9 = \square$ k) $\square \times 9 = 45$
 f) $10 \times 9 = \square$ l) $20 \times 9 = \square$

- 4 Complete the number tracks.

0	9	18				54	
---	---	----	--	--	--	----	--

108	99			72			45	36
-----	----	--	--	----	--	--	----	----

- 6 Jack is making arrays.



- a) Use the arrays to complete the multiplications.

$1 \times 10 = \square$ $1 \times 9 = \square$
 $2 \times 10 = \square$ $2 \times 9 = \square$
 $3 \times 10 = \square$ $3 \times 9 = \square$
 $4 \times 10 = \square$ $4 \times 9 = \square$

- b) Write steps for a partner to explain how you can use the 10 times-table to multiply by 9



- c) Use your steps to work out these multiplications.

$19 \times 9 = \square$ $72 \times 9 = \square$



Physical Education

The recommended amount of physical activity for children aged 5-18 is 60 minutes a day. It should be hard enough for us to get a little bit out of breath and a little bit sweaty!

 See the attached Class Dojo post from Lancaster University's Engineering trail!
Try to visit as many of the spots as possible around Lancaster! 

  SPAR Lancashire School Games  

See the attached resources on the Class Dojo page !

Online Resources available

Agility <https://www.youtube.com/watch?v=T5cepEqY3B0>

Joe Wicks <https://www.youtube.com/user/thebodycoach1>

Just Dance <https://www.youtube.com/watch?v=ERbdjlv6dg>

Disney Dance <https://www.nhs.uk/10-minute-shake-up/shake-ups>

Here there is a dedicated #stayinworkout page Here you will find links to the following:

Go Noodle <https://www.gonoodle.com/>

Just Dance <https://www.youtube.com/user/justdancegame/videos>

Move Crew <https://ukactivekids.com/movecrew/>

Super Movers <https://www.bbc.co.uk/teach/supermovers>



Geography – Mountains continued... Key Question: What is it like in the Himalayas? 2-week topic ~ Hand in before: Friday 22nd January

LO: To recognise the importance of the Himalayas for people living in the region.

Enquiry Questions:

- Where are the Himalayas?
- What sort of work can people do in the Himalayas?
- How are the mountains important to the people who live there?
- In what ways are they similar to, or different from, the highest mountains in the UK?



Activity:

Research the answers to the enquiry questions and create a poster about the Himalayas.

- ✓ Use <https://www.kiddle.co/> to research! (Kiddle is a child-friendly search engine)
- ✓ Write a section about each of the questions as a subheading.
- ✓ Include pictures! – printed or drawn!
- ✓ Include key vocabulary!
- ✓ Include fun facts or Did You Know? sections.

Challenging enquiry Question: What if...people had to pay to climb a mountain?

Discuss this with your family!

Can you come up with some more challenging 'What if...' questions to make people think?

History – Tudors Continued...

2-week topic ~ Hand in before: Friday 22nd January



Key Questions:

- Who were the Tudors and Why was Henry VIII so important?
- Why did Henry really break with Rome: Love or Religion?
- How different was life for people at different levels of society in Tudor times and how do we know?
- Why do we have to be so careful when using the portraits of Elizabeth I to find out about her?
- How on earth was Elizabeth able to defeat the mighty Spanish Armada?

LO: To create an informative Tudor Factfile.

Activity: Recap your learning of these 5 key questions covered in History – write a detailed fact file on paper, powerpoint or even as a presentation! **Make sure to include illustrations, fun facts and Did You Know sections!**

Challenge! Can you create a quiz for myself, the class or your family?

Here are some useful websites to help you with your research.

TopTip! Use www.Kiddle.co.uk for your research.



Properties and changes of Materials.

💬 Think about these scientific terms ...

- dissolving
- separation
- reversible and irreversible changes

Can you define them?

What do they mean?

Can you explain this to someone or write it down?

Explore the BBC Bitesize website and play the quiz!

<https://www.bbc.co.uk/bitesize/articles/zc3nm39>

Activity: Plan and carry out your own experiment at home to observe a reversible or irreversible change.

Write about your experiment and explain what you think happened using scientific language.

💬 Think about...

- The equipment needed
- What safety rules are you putting in place?
- How you will measure the change.
- How you will record the change.
- What you are looking for in the change.

Some experiment ideas...

Watch:

<https://www.bbc.co.uk/bitesize/clips/zrhc87h>

(Adult supervision required!)

- Melting
- Burning
- Freezing
- Mixing
- Dissolving

Additional activities

- ✓ Scratch – <https://scratch.mit.edu/>
- ✓ Minecraft coding – <https://code.org/minecraft>
- ✓ Times Table Rock Stars – <https://ttrockstars.com/>
- ✓ TopMarks – <https://www.topmarks.co.uk/>
- ✓ Young Voices – Login code: YV2021
<https://www.youngvoices.co.uk/music-room>
- ✓ BBC Bitesize –
<https://www.bbc.co.uk/bitesize/levels/zbr9wmn>
- ✓ Maths Chase - <https://www.mathschase.com/>
- ✓ Morning Challenge Website -
<https://www.morningchallenge.co.uk/morning-challenge>
- ✓ NASA website – <https://www.nasa.gov/>
- ✓ Oxford owl – <https://home.oxfordowl.co.uk>
- ✓ Arts and culture virtual tours –
<https://artsandculture.google.com>
- ✓ The Maths Factor - <https://www.themathsfactor.com/>
(Free 21 day trial!)
- ✓ David Walliams Audio Books –
<https://worldofdavidwalliams.com/elevenses/>
- ✓ White Rose Maths Home Learning -
<https://whiterosemaths.com/homelearning/>
- ✓ Draw with Rob – Puffin
<https://www.youtube.com/watch?v=zLzsxmQ4I5E>