

Seals Home Learning 15th – 22nd June

Topic: Crazy Inventions

In this document you will find home learning based around the topic 'Crazy Inventions'. Below are the expectations for what is to be completed by the end of the week, ready for new work to be set. I have also set some new work on Purple Mash so don't forget to check your 2do's. Please note, when a box is highlighted purple, you can follow the link to Purple Mash to support the activity. I hope you enjoy this topic-based approach to your home learning! I look forward to seeing what you have been up to. Don't forget you can upload your work to Seesaw!

MUST	<ul style="list-style-type: none">• 1 piece of writing• Reading daily (2-3 pages of a chosen book)• 1 maths activity per day• Learn and be tested on your spellings
SHOULD	<ul style="list-style-type: none">• 1 reading comprehension activity• Complete maths worksheet 1 -5• 1-2 English activities• Continue to review multiplication facts.
COULD	<ul style="list-style-type: none">• Carry out your own research about inventions or inventors• Additional work set on Purple Mash• 2 – 3 Art or topic activities• Put your spellings into sentences.• Complete 1 or more maths challenge.

English

Spellings

word war work warm worm towards world worth worthless worst

Take the spelling quiz for Autumn 2, week 1.

Then take the dictation (This can be found on the class page on the school website or you can access it through PurpleMash)

https://static.purplemash.com/mashcontent/applications/guides/Spelling_Y2_Autumn2_Week1_Dictation/Year%202%20Autumn%202%20Week%201%20Dictations.pdf

Reading:

Follow the link on our school page to your reading comprehensions. You need to choose which level of the reading you do, 1* being the easiest and 3* being the hardest.

- Victorian Inventors (You can choose which one to do)
- Alexander Graham Bell

Writing:

- Can you continue the story of Audrey the inventor? Think about what she might invent and what could happen? Remember your story must have a clear structure and be correctly punctuated.
- Read through Audrey the Inventor.
Think about and write what you want to be when you grow older and why.

Maths: Subtraction and Difference

Teaching points

Teaching point 1: Difference compares the number of objects in one set with the number of objects in another set; or the difference between two measures.

Teaching point 2: Difference is one of the structures of subtraction.

Teaching point 3: Consecutive whole numbers have a difference of one; consecutive odd/even numbers have a difference of two.

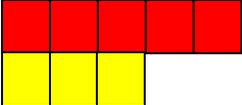
Teaching point 4: We can apply the structure of difference to compare data.

Worksheet 1

Find the difference of the numbers below. You can use 2 different colours to represent the 2 different numbers. Don't forget to write the number sentence for them too!

e.g

5 and 3



$5 - 3 = 2$

6 and 2

15 and 5

9 and 2

16 and 3

7 and 4

14 and 6

10 and 6

17 and 7

10 and 5

13 and 5

11 and 6

20 and 3

7 and 6

1 and 3

9 and 7

14 and 1

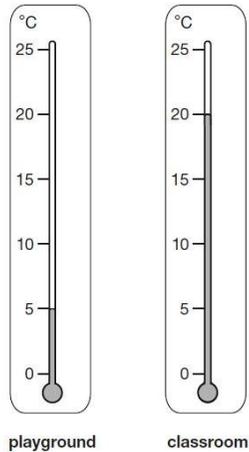
Worksheet 2

Q1. Ben puts **15** buttons on a table.
He hides some of them under his hand.
How many buttons is Ben hiding?



buttons

Q2.
Look at the thermometers.



The temperature on the playground
is lower than the temperature in the classroom.
How much lower?

°C

Q3.

This table shows how the children in a class come to school.

Ways of coming to school	Number of children
walk 	14
taxi 	1
bus 	6
car 	8

More children walk than come by bus.
How many more?

Q5.

Work out the difference between 46 and 18.
Show how you worked it out in the box.

Show your working

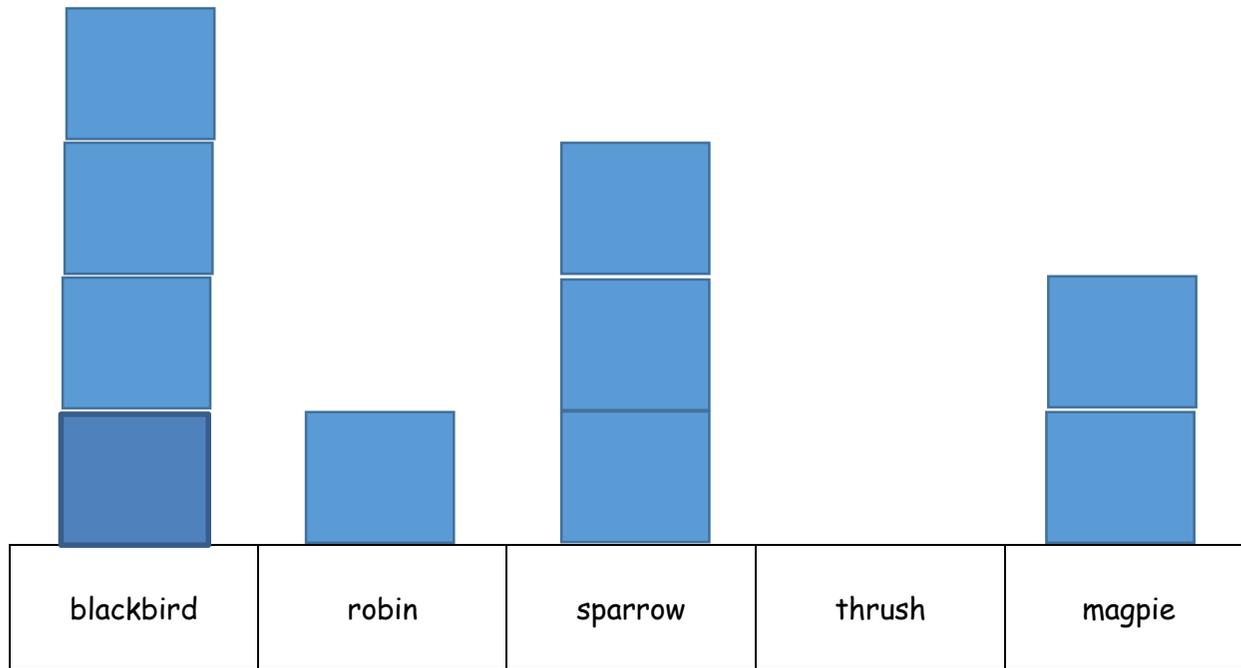
The difference is

Birds spotted in the park



= 5 birds

Worksheet 3



Find the difference between sparrows and robins. ____

Find the difference between blackbirds and robins. ____

Find the difference between blackbirds and magpies. ____

Find the difference between blackbirds and thrush. ____

What is the total number of birds? ____

How did you calculate this? _____

Worksheet 4

Using the pictogram, sort the statements into true and false.

 = 10



Statement	True or false?
The horses were the least popular animal.	
The number of chickens seen were half the number of cows.	
The total amount of sheep and pigs were 70.	
The difference between cows and horses was 60.	
There were 10 less chickens than sheep.	

Worksheet 5

Go through each question and decide which are true and which are false. You can colour the **true ones green** and then **false ones red**.

Challenge:

How could you make them all true?

$9 - 7 = 8 - 6$	$15 - 10 = 25 - 20$
$40 - 5 = 41 - 6$	$13 - 7 = 12 - 6$
$19 - 8 = 12 - 1$	$20 - 7 = 16 - 3$
$15 - 6 = 18 - 9$	$20 - 9 = 13 - 5$
$14 - 7 = 21 - 14$	$18 - 8 = 100 - 90$
$30 - 1 = 29 - 0$	$15 - 1 = 16 - 1$
$19 - 0 = 20 - 0$	$14 - 8 = 18 - 12$

Difference Challenges

$$14 - 7 = 7$$

How many other ways can you find the difference of 7? Be as creative as you can!

$$20 - 11 = 9$$

How many other ways can you find the difference of 9? Be as creative as you can!

A chicken is 40cm tall and a sheep is 65cm tall. What is the height difference between them?

Can you come up with your own difference questions?

Use the digits 1, 3, 6, 7, 8 to make two 2-digit numbers which have a difference of 17.

You can use each digit once or twice in each calculation.

History

These were objects invented and used over a 100 years ago. Have a look at the image and see if you can answer the questions.



What do think it is made of?
What might it have been used for?
Who might have used it?

Art

George De Mestral invented Velcro AND an asparagus peeler.



The tools above are used to chop and slice fruits such as avocados, bananas and apples. Can you draw or paint the insides of any fruit or vegetables you have in your house? What do the seeds look like? Which is the best drawing tool to use?

RE/PSHE

In the story **The Most Magnificent Thing**, the main character gets very cross when her invention goes wrong. However, she **perseveres** and gets there in the end.

Persevere means to keep on going, even when things are tough.

Draw a picture and write an explanation about

A religious leader that had to **persevere** through something that was really hard

Or

Someone you know who had to **persevere** to get something right or to get through a difficulty.

Music

Touch the Sky is a song from the Disney film **Brave**

<https://www.youtube.com/watch?v=NvR9YOpDG4A>

The words are below.

Here's some things to do with the song:

- Learn it and sing along
- Learn some (or all) of the words and put your own tune to it
- Put a dance to some or all of the song
- Draw some illustrations to go with the words

Art

You can buy a box of Crayola® crayons in 152 colours today, but way back in 1903 when they were invented, they only came in eight colours.

Can you create a picture using just one colour? How can you use shading or different types of implement like a pen, pencil or chalk to create different effects?



Science: Materials



An Umbrella Hat...

What a crazy
Invention!

What materials would make a good Umbrella Hat?

What different materials can you find around your house? Can you put them into groups? (Strong, Flexible, waterproof, wood...)



This BBC lesson is all about materials.

<https://www.bbc.co.uk/bitesize/articles/z6kdwty>

Try making your own Umbrella Hat.

Think carefully about the materials.
Test it next time it rains!

PE: Daily PE lessons with Joe Wicks

<https://www.youtube.com/channel/UCAxW1XT0iEJo0TYIRfn6rYQ>

Touch the Sky

When the cold wind is a-calling
And the sky is clear and bright
Misty mountains sing and beckon
Lead me out into the light

I will ride, I will fly
Chase the wind and touch the sky
I will fly
Chase the wind and touch the sky

Where dark woods hide secret
And mountains are fierce and bold
Deep waters hold reflections
Of times lost long ago

I will hear their every story
Take hold of my own dream
Be as strong as the seas are stormy
And proud as an eagle's scream

I will ride, I will fly
Chase the wind and touch the sky
I will fly
Chase the wind and touch the sky

And touch the sky
Chase the wind
Chase the wind
Touch the sky

Songwriters: Mark Andrews / Alexander L Mandel