



Fairfields
PRIMARY SCHOOL

Year 6

Spring Term Home learning

11/01/2021

Dear Parent / Carers

Mr Thomas has put together a weekly 'pack' of learning activities that coincides with the learning that the children will be doing in school. Below are some ideas and links to follow at home. Our theme for the next few weeks will be 'World War 1'. Please email the school at enquiries@fairfieldsprimary.co.uk should you have any questions.

To ensure that the children are motivated to complete as many of these suggested activities as possible whilst at home - we would encourage them to email us, or drop off into school (following social distancing guidelines) any work they would like to share with us at the end of each week.

Thank You

Suggested Timetable

<u>Day</u>	<u>English - Zoom</u>	<u>Maths - Zoom</u>	<u>Additional Learning</u>	<u>Home Learning</u>
Monday	0940 - 1020	1045 - 1125	SPAG 1315 - 1345	Science
Tuesday	0940 - 1020	1045 - 1125	X	PE
Wednesday	0940 - 1020	1045 - 1125	Reading 1315 - 1345	ILP - WWI
Thursday	0940 - 1020	1045 - 1125	X	PSHE
Friday	0940 - 1020	1045 - 1125	Assembly 1315-1345	Reading/Spellings

Please feel free to deviate from this suggested timetable due to family or work commitments. It only acts as a guide to when we will be conducting certain learning activities in school.

English - Writing

This week in English will finish off the final lesson in our sentence stack, modelled example of our traditional tale. We will then move on to creating our own version of the story. We are going to set our independent write in a hot, dry desert environment. We will write one plot point of the story per lesson.



Maths

This week in Maths, we will do a revision lesson of the four operations and fractions before starting a new topic about calculating the volume of a 3D shape. We will begin by counting cubes (including the hidden ones!) in lesson 2. Then, we will move on to using the formula to work out the volume of cuboids. This lesson will involve a lot of multiplication so make sure you have brushed up on it if you are rusty! We will then look at finding missing lengths of shapes in lesson 4. Finally, we will look at reasoning questions involving volume in lesson 5.

Lesson 1

19 25% of 4200 =

20 $8400 \div 12 =$

21 $15 - 8.1 =$

35 $\frac{5}{8} \div 4 =$

36 $2\frac{1}{2} - \frac{3}{5} =$

Lesson 2

Can you find the **volume** of this cube?

centimetre
cube
1cm
1cm
1cm = 1 cm³

Remember: some of the cubes cannot be seen...

Volume = cm³

How did you work it out? Did you find any shortcuts?

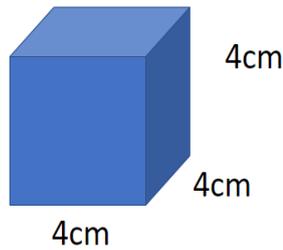
Can you work out the **volume** of these shapes made from centimetre cubes?

Volume = Volume = Volume = Volume =

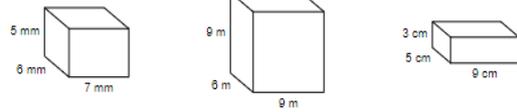
Volume = Volume = Volume = Volume =

Lesson 3

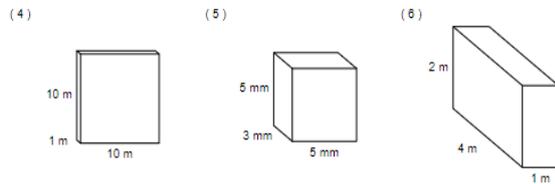
Volume is measured in mm^3 , cm^3 , m^3 or km^3



- Volume = length x width x height
- Volume = $4 \times 4 \times 4 = 64\text{cm}^3$

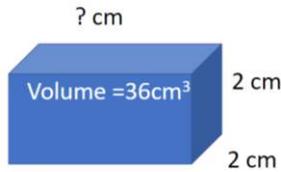


Volume: _____ Volume: _____ Volume: _____



Lesson 4

Find the missing lengths

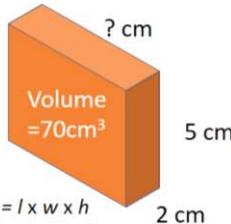


$$V = l \times w \times h$$

$$36 = l \times 2 \times 2$$

$$36 = l \times 4$$

$$l = 9\text{cm}$$



$$V = l \times w \times h$$

$$70 = l \times 2 \times 5$$

$$70 = l \times 10$$

$$l = 7\text{cm}$$

3. The length, width and height of a cuboid are: 5cm, 2cm and 3cm. What is its volume?

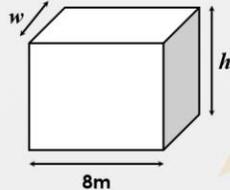
4. Find the missing measurements in this table:

Length	Width	Height	Volume
10cm	4cm	3cm	
	6cm	2cm	60cm^3
8cm	2cm		48cm^3
10m		6m	180m^3
9mm	2mm		72mm^3

5. a) A cuboid has a volume of 72cm^3 . If the length, width and height are all whole numbers, how many different sets of measurements can you find?
 b) How many can you find for a cuboid with volume 96cm^3 ?

Lesson 5

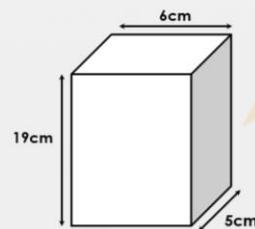
Use the clues to find the missing dimensions of this cuboid.



- Its volume is 120m^3 .
- The total of the length, width and height is 16m.
- The width is less than the height.

True or false?

I can find the volume of this cuboid by calculating $19\text{cm}^2 \times 5\text{cm}$.



Weekend Challenge:

Measure the length, width and height of your cereal box in cm. Calculate the volume of this box!



English - Reading

In class we will be focusing the reading skill of prediction. In order to predict, you need to look for all the clues in the text or picture, then link it to your current knowledge of the world and make a sensible guess about what will happen.

1

Sam and Sam were walking along the road. Clouds started to gather over head, they could hear a distant roll of thunder.

What will happen next?

2

Lucy woke up at 7:00am. "I should just about make it to work on time today," she thought. She went outside and turned on her car. It made a grinding sound and then went silent.

Will Lucy make it to work? Give reasons for your answer.

3

Carmen walked in wearing her new, expensive sweater and sparkling, white trainers. She went to her friend and said, "I have £100 to buy a new outfit, which shop should I go to?"

Her friend replied, "Well, Marks and Spencer has some lovely clothes, but they are expensive." Carmen nodded. "Whereas in Primark you could get a number of new outfits for your money." Carmen winced a little.

Which shop will Carmen go to? Give reasons for your answer.

Y5 and Y6 SPaG - 'determiners'

A determiner is a word that introduces a noun such as a, an, every, three, many and those. Determiners can be split into several categories depending on their usage.

Definite and indefinite articles: The definite article is 'the' and the indefinite articles are 'a' or 'an'.

Possessive determiners: These indicate ownership and include my, your, his, her, our, their, etc.

Interrogative determiners: They normally introduce a question about a noun and include which, what and whose.

Demonstrative determiners: Point towards a specific noun and include this, these, that, those, etc.

Quantifiers: Used to show the number of a noun and include few, more, less, three, another, many etc.

Help Determiner Dog to sniff out all the determiners in each sentence. When you have found a determiner, circle or underline it.

1. Those earrings are beautiful!
 2. "Whose bone is that?" he thought.
 3. Our house was built in the 1900s.
 4. Many people have pets.
 5. The boy replied, "That book on the shelf."
 6. There were a few biscuits left in the tin.
 7. Determiner Dog sat in a garden waiting for the postman to arrive.
 8. A cat slowly walked along the fence.
 9. 'Get out of my garden!' thought Determiner Dog.
 10. Another cat appeared on the fence. Determiner Dog barked at the two cats to scare them away.
-

our few their many which your these

Help Determiner Dog complete the sentences below by adding the correct determiner. Use each determiner in the box above to help complete each sentence.

1. _____ book do you want to read first?
2. In Spain, _____ towns celebrate the festival of San José in March.
3. _____ new classroom didn't have enough chairs.
4. After sharing with her friends, Kacie only had a _____ sweets left.
5. "_____ dad is really funny," said Jake to his friend Raj.
6. "_____ dog is called Hugo," said Ken and Charlie.
7. "Take _____ tickets and hand them in at the entrance," said the man at the ticket box.

Write a sentence containing each of the determiners below.

our: _____

an: _____

many: _____

Spelling

Rule: vowels making "uh" sound

available			
category			
existence			
controvers y			
<u>explanation</u>			
identify			
variety			
ancient			

18. Bubble Letters

Write your
spelling
words out
in bubble
writing.



Can you use the spelling words in context in sentences?

Maths Fluency

Please continue to practice your times tables fluency using the following links -

- <https://trockstars.com/> All children within Fairfield's Primary School have a log-in and are able to access all resources on either a laptop, or tablet device.
- Take a look at the following link - <https://corbettmathsprimary.com/5-a-day/>. Each day there are four different levels of maths questions you can choose to do to challenge yourself with.

PSHE

Our PSHE topic this term is healthy eating and exercise. Please follow the link below, watch the videos and complete the activities

- <https://classroom.thenational.academy/units/eat-well-live-well-7109>

PE

Below are links to give you a variety of different ways to get active and exercise!

<https://www.youtube.com/watch?v=Rz0go1pTda8>

<https://family.gonoodle.com/>

In addition to these links - you could also check out -

Super Movers

Description: videos which help children move while they learn. They support curriculum subjects, including maths and English.

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

#ThisIsPE

Description: videos delivered by teachers focussing on the PE curriculum which are accessible on YouTube. These have been commissioned by the Association for Physical Education

<https://www.afpe.org.uk/physical-education/thisispe-supporting-parents-to-teach-pe-at-home/>

Active at Home

Description: The ACTIVE AT HOME programme allows children, parents, friends and family to look at some of our fun games that are used in school. You will have access to our lesson plans, videos and diagrams to help you keep active when your children are not at school.

<https://online.succeedin.co.uk/public/index/638>

Sportshall athletics at home

Description: The Home Pentathlon is a fun way for families to take part in adapted Sportshall Athletics events within their home environment.

<http://www.sportshall.org/homepentathlon>

ILP - WW1

This week we will be exploring the reasons why the first World War started. We will find out about Archduke Franz Ferdinand and the events that lead to most Europe being drawn into a disastrous war.

Questions to research at home:



Who was Archduke Franz Ferdinand?

What happened to him?

Why did this cause the War?

Who are the Black Hand group?

When did the War start?

Where did the first battle take place and between who?



Why did Britain take part in the war?

<https://www.youtube.com/watch?v=LQ6dkIW051M>

<https://www.youtube.com/watch?v=oEvuMhP2CuA>

Y5 and Y6 - Science - Properties and Changes of materials

This week we are going to begin our new science topic on exploring different materials, how they can change and whether we can group them together!

We are going to start our topic with a science experiment and test how various materials are different or similar. **At home, find five or six of different materials that you can use for an experiment.** These can be anything: rocks in your garden, cardboard, cotton, plastic and many more!

Have a think about how we create a fair test and make sure you keep everything the same except for one **variable**. Have a look at this short video to make sure your test is fair: [How do you make sure a test is fair? - BBC Bitesize](#)

Using the materials that you collected at home, we are going to test the **hardness** and **permeability** of the materials. Research what these words mean and how we can test them using the websites below and any other online resources that you have access to:

[Cool Science for Kids - Episode 1 - Permeability - Kids Science Labs - YouTube](#)

[Materials And Their Properties - YouTube](#)

[Matter Compilation: Crash Course Kids - YouTube](#)

Conduct an experiment to test the **hardness of an object**, using the same amount of force each time to try and change the object, and the **permeability of the object**, using the same amount of water each time to see whether the water will go through the object.

Record your results in the table below. Rate the hardness and permeability of each object out of 10 (1 being not at all and 10 being extremely) and make a comment on the changes that you can see!

Material	Hardness (can the object be scratched or can its shape be changed?)	Hardness Comment	Permeability (can gases or liquids pass through the object?)	Permeability comment

Thank You

Mr Thomas

Saturn Class