

Work from home - Year 6

Suggested activities to fill your daily timetable

Reading	Writing	Spellings
<p>Please continue to read 4x a week.</p> <p>Please complete at least one of the tasks listed on the previous 'Work from home' sheets that you have not yet done.</p>	<p>Look back at the 'Work from home' sheets 1-4, and the list of writing tasks that we sent home before school closed. Try to do at least one task that you have not yet completed. Perhaps you could also revisit a piece of writing that you have already completed and improve it.</p> <p>Please always use your best, joined handwriting.</p>	<p>Spelling Shed and Purple Mash.</p> <p>Create a glossary of interesting words from a book at home. Make it clear, bright and colourful.</p>
Science/STEM	SPaG	Gallery Rebels
<p>At the end of this document, you will find a science-based task, which challenges you to design and build a straw rollercoaster! Alternatively, revise your learning about adaptation in KS2: choose an interesting animal that you to investigate and draw or make a model of it. Then, think about/research how its different physical characteristics help it to survive & add labels to explain.</p>	<p>Please revise SPaG regularly, using revision books, homework books or free Y6 online work. It's important that you try to retain as much of your knowledge as you can 😊</p>	<p>Try to complete at least another one of the topic tasks, and another one of the arty tasks, listed on the last two 'Work from home' sheets.</p>
SMSC	Tables	ICT
<p>Access the website below and register to gain access to and compete the home learning pack focused on social, moral, spiritual and cultural skills/development. https://www.gogivers.org/free-stuff/home-learning-pack/</p>	<p>Please continue practising all times tables up to 12 x 12, along with related division facts</p>	<p>Access Purple Mash to access a range of activities at your leisure.</p>
BBC Home learning daily lessons		
<p>Access the BBC's daily lessons page and follow along with any of the daily lessons that are available for all areas of the curriculum (including resources and videos) https://www.bbc.co.uk/bitesize/levels/zbr9wmn</p>		
PE		
<p>Follow along with Les Mills' class – Born to Move for 8-12 year olds - on YouTube. He has made several videos – check them out for other ideas 😊 (search 'Les Mills kids'). https://www.youtube.com/watch?v=9WgkiB-GQMI</p>		

Always remember ask for adult supervision when using the internet

Suggested activities

Maths

Visit the White Rose website using this link:

<https://whiterosemaths.com/homelearning/year-6/>

There are some To - Do activities highlighted on Purple Mash on fractions.

Fractions

Simplifying Fractions – Remember to simplify a fraction divide the numerator and denominator by the highest common factor.

EXAMPLE $12/20$ 12 divided by 4 =3 20 divided by 4 =5

So $12/20$ simplified = $3/5$

Simplify these fractions

- 1) $6/12$ $3/9$ $9/12$ $4/10$ $8/12$ $4/8$ $8/10$ $10/25$ $70/100$ $6/15$
- 2) $4/16$ $6/18$ $85/100$ $44/100$ $14/16$ $32/72$ $20/36$ $54/81$ $16/40$

- **EQUIVALENT FRACTIONS**

- **REMEMBER** Stem sentence- Equivalent fractions are the same even though they may look different.
- A fraction can be changed to an equivalent fraction by using common factors.
- $18/30 = 3/5$ by dividing both numerator and denominator by 6.
- **OR** by multiplying using common multiples
- $\frac{2}{3} \times 5 = 10$ $3 \times 5 = 15$ $\frac{2}{3} = \frac{10}{15}$
- Continue these fractions chains for a further 5 terms
- $\frac{1}{4} = \frac{2}{8} = \frac{3}{12}$
- $\frac{2}{3} = \frac{4}{6} = \frac{6}{9}$
- $\frac{1}{6} = \frac{2}{12} = \frac{3}{18}$
- $\frac{3}{10} = \frac{6}{20} = \frac{9}{30}$
- $\frac{5}{12} = \frac{10}{24} = \frac{15}{36}$
- $\frac{3}{5} = \frac{6}{10} = \frac{9}{15}$
- $\frac{3}{4} = \frac{6}{8} = \frac{9}{12}$

- **Fractions of amounts**
- **To find a fraction of an amount divide the amount by the denominator and multiply by the numerator**
- **So $\frac{3}{5}$ of 20 = 20 divided by 5 = 4 $\frac{1}{5}$ of 20 = 4 we want $\frac{3}{5}$ of 20**
- **So $3 \times 4 = 12$ $\frac{3}{5}$ of 20 = 12**
- Find these fractions of amounts
- 1) $\frac{1}{5}$ of 30 = $\frac{1}{4}$ of 48 = $\frac{1}{3}$ of 30 = $\frac{1}{6}$ of 42 = $\frac{1}{7}$ of 56 = $\frac{1}{12}$ of 60
- 2) $\frac{3}{8}$ of 80 = $\frac{4}{5}$ of 45 $\frac{5}{12}$ of 72 $\frac{3}{4}$ of 32 = $\frac{2}{11}$ of 33 $\frac{6}{7}$ of 28 =
- 3) $\frac{9}{11}$ of 99 = $\frac{3}{10}$ of 60 = $\frac{5}{9}$ of 72 = $\frac{3}{8}$ of 56 = $\frac{5}{7}$ of 56 =
- You can still work your way through the Y6 Maths Revision Workbooks. Although KS2 SATs have been cancelled, these are still relevant.
- You can still work your way through the Y6 Maths Homework Workbooks.
- Please refer to the website list we sent out within your revision pack to find relevant Maths websites and games.
- Maths Shed can be accessed through your Spelling Shed login.
- Go to www.twinkl.co.uk/offer to access free home learning packs.

Are you running out of things to read?

Here are some more websites offering free reading books

<https://www.oxfordowl.co.uk/for-home/find-a-book/library-page/>

https://www.barnesandnoble.com/b/free-ebooks/kids/_/N-aZry0Ztu1;jsessionid=70BF717AF0CF586B2AE1B12218C377E7.prodny_store02-atgap07

<https://www.getepic.com/>

<https://www.lovereading4kids.co.uk/>

<https://9to5mac.com/2020/03/22/free-apple-books/>

Adults - something else that you might find helpful

A free resource that explains coronavirus to children in a non-threatening way

<https://nosycrow.com/wp-content/uploads/2020/04/Coronavirus-A-Book-for-Children.pdf>

STEM: Straw Roller Coaster

Introduction

Roller Coaster Challenge is a mind-bending three-dimensional playground for engineers. Your goal is to create a functioning roller coaster that can get the car to safely glide to the end of the track.



Your Challenge!

Build a Straw Roller Coaster for a ping pong ball to roll down! Drinking straws and hot glue, and that's it. Use a low temp gun and kids can make this themselves.

What you'll need:

- To build this straw roller coaster you will need:
- A cardboard box or a piece of cardboard for the base
- Straws – solid color ones are fun!
- Scissors
- A hot glue gun and glue sticks
- A ping pong ball
- A bowl to catch the ball at the bottom (optional)

Things to think about

- How high are you going to start your roller coaster?
- How are you going to make sure that your ball doesn't move that fast it falls off?
- How are you going to make your ball go round corners?
- Is it better to have your ball moving fast or slow?
- How are you going to connect your straws together

Reflection Questions

What should I do first?

Is something confusing me?

Where can I look for help?

How can I do it better?

