

## Year 5 Home Learning – Week Beginning 13<sup>th</sup> July 2020

Hello Year 5,

This is our last week of home learning – we really hope you have been keeping busy and attempting some learning.

Here are some learning activities for you to try at home. **The Science/DT, topic work does need adult supervision as the children need to be cutting and sticking materials to create their own working model of a fairground ride or game.** Remember to send us your photographs for our class padlet.

We really look forward to seeing you next week!!

Mrs Waters, Mrs Ferreira and Mrs Hudson x

### Topic

Fairgrounds, in this unit of learning pupils will gain an understanding of the importance of forces and how these affect objects, mechanisms and the world around them, including themselves.

*Hi, this week is all about you, it is your turn to do the work. Your challenge is to design, make and evaluate a fairground game or ride; you may choose to do both. Remember you can still design your game and ride even if you haven't got the materials to make it. You can annotate your design and explain the materials needed and how you would make it. You can include elements that you foresee as being a problem.*


*You have learnt a lot this term about forces, use this information with your ride or game, you might have a pulley system, a lever, your design might include gears. Think of your previous learning; circuits, batteries and motors all this can be incorporated in your design. How will your game or ride move; up and down, rotate, forward backward, you choose?*

*Also don't forget you want people to choose to use your game or go on your ride so make it attractive; think of the art work of Fred Fowle.*

*These links show you what other children have made*

<https://www.youtube.com/watch?v=X1Ub5Pw4ZJ0>

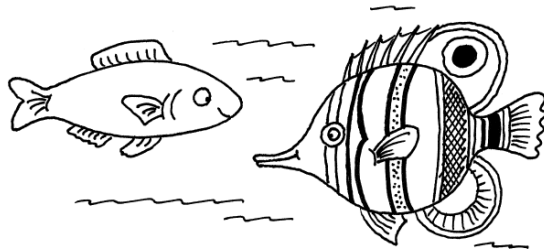
<https://www.youtube.com/watch?v=MMiwFZEH6FM>

Monday	Reading	Maths	English	
	<p>Over the summer holidays you may want to take part in the Summer Reading Challenge, usually run by local libraries. It will be slightly different this year, but all the details can be found here: <a href="https://sum">https://sum</a></p>	<p><b>Your main aim this week is to ensure you know all your times tables in preparation for year 6.</b></p> <p><b>You will need to be able answer them all quickly and accurately and in any order.</b></p> <p><b>Please ensure you know these all by September.</b></p> <p>Anna put some 10p coins on the table. One half of them were tails up.</p>  <p>Anna turned over two of the coins, and then one third of them were tails up.</p> <p>How many coins did Anna put on the table?</p>	<p><b>Your task this week is to write the final chapter of the Banana Boy chapter.</b></p> <p style="text-align: center;"><b>Planning</b></p> <p>Reread chapter 4 (on the Remote Learning page) and brainstorm some ideas for what could happen next. You could use one of the options from the end of the chapter.</p> <p>Decide which idea you like best and create a more detailed plan. This could be a story map/mountain, bullet points, mind map or another way.</p>	<p>Please take photographs at each stage so that we can all share your success.</p> <p>Image 1 What kind of ride/game would you like to make? Who would use it? How many different fairground rides have you been on? What were they like? How did they move? How are the components joined together? How does the ride turn or move along? How does the mechanism used move the ride? Design your ride/game by creating an annotated diagram. Include the mechanism you will use for it move; ensure you design a framework that is sturdy.</p>

Tuesday

[merreadingchallenge.org.uk/](http://merreadingchallenge.org.uk/)

A goldfish costs £1.80.  
An angel fish costs £1.40.



Nasreen paid exactly £20 for some fish.  
How many of each kind did she buy?

Jim bought a cat and dog for £60 each.  
Later he sold them.  
He made a profit of 20% on the dog.  
He made a loss of 20% on the cat.  
How much did he get altogether when he sold the cat and dog?

Jim bought another cat and dog.  
He sold them for £60 each.  
He made a profit of 20% on the dog.  
He made a loss of 20% on the cat.  
Did he make a profit or loss on the whole deal?

### Vocabulary

Go back through the other chapters of the story and choose some good words and phrases to include in your chapter. And, of course, add more of your own.

You could make a list of verbs, adverbs and adjectives.

Have a go at writing some sentences, including your chosen words and phrases.

Think about the style and type of the story.

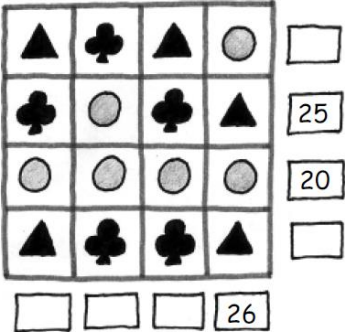
You have your design. Today you are going to evaluate your design ready for the making stage tomorrow.

#### Image 2

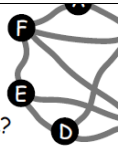
Remember you might not have a motor so you might need to use push power (your hand) to push, pull or rotate. Your ride could even be powered by water.

#### Image 3

How will you strengthen and reinforce your structures? You could use, card, wood, straws etc.

<p><b>Wednesday</b></p>		<p>Each shape stands for a number.</p> <p>The numbers shown are the totals of the line of four numbers in the row or column.</p>  <p>Find the remaining totals.</p> <p>Mrs Choy spent exactly £10 on 100 eggs for her shop.      Large eggs cost her 50p each.      Medium eggs cost her 10p each.      Small eggs cost her 5p each.      For two of the sizes, she bought the same number of eggs.      How many of each size did she buy?</p>	<p><b>Writing</b></p> <p>Start writing!</p> <p>Use your plan and vocabulary list to help you.</p> <p>Remember to:</p> <ul style="list-style-type: none"> <li>• use paragraphs when there is a change in time or events</li> <li>• use inverted commas correctly for speech (new line, new speaker)</li> <li>• vary the length of your sentences to change the pace (shorter sentences are good for action scenes)</li> <li>• include characters' thoughts and feelings (show these through their body language, facial expressions and way they speak)</li> </ul>	<p>Get your design out as this is your plan, discuss any problems you foresee with an adult. <b>Remember if you are cutting or using a circuit you must have your adult with you at all times.</b></p>
<p><b>Thursday</b></p>		<p>Two boys and two girls played tennis.          Ali said: 'I will only play if Holly plays.'          Holly said: 'I won't play if Ben is playing.'          Ben said: 'I won't play if Luke or Laura plays.'          Luke said: 'I will only play if Zoe plays.'          Zoe said: 'I don't mind who I play with.'          Which two boys and which two girls play tennis?</p>	<p><b>Writing</b></p> <p>Carry on writing!</p> <p>Read through what you have already written.          Make any changes that are needed.</p> <p>Illustrate your chapter and share it with someone at home!</p>	<p>Finish your ride/ game if necessary.          Today you are going to ensure that it is aesthetically pleasing, this means it looks nice and people would be attracted to it and want to use your product.</p>

Six towns are connected by bus routes.  
 The bus goes from A back to A.  
 It visits each of the other towns once.  
 How many different bus routes are there?



This table shows the bus fare for each direct route.  
 B to A costs the same as A to B, and so on.

A to B	B to C	C to D	D to E	E to F	F to A	B to D	B to F	C to E	C to F
£4	£3	£4	£4	£3	£4	£5	£3	£2	£2

Which round trip from A to A is the cheapest?

**Friday**

**Reflection time**

Go back through your home learning book and look at your maths work.  
 Which Maths did you enjoy the most? Which one did you try hard with? What are you most proud of?

Create a booklet titled: Year 5 Maths. Write down tips, applications, some puzzles and advice for the new year 5's coming up. What advice can you give them for being successful in Maths next year? What should they work hard on?

**Reflection time**

Go back through your home learning book and look at your English work.  
 Which tasks did you enjoy most? Is there a piece you tried particularly hard with? What are you most proud of? Have you read a book whilst being at home that you have really enjoyed?

Use the puzzle piece template below (or create your own) to write down your thoughts and reflections on your English home learning.


Congratulations you have made your own fairground ride or game.  
 Evaluate - Why do you believe it is important to evaluate a finished product?  
 What was the best and worst thing about designing and making your fairground ride or game?  
 What would you do differently if you were to make your fairground ride or game again?  
 How well does your ride/game move, does it rotate, move up and down etc?



Image 1



How could you use these components to create an electrical circuit?




motor      wire      batteries

How could we use the circuit to make a fairground ride with a rotating part?


What would we need to attach to the motor?      What different kinds of rotating parts could we have?

BACK      Discuss your ideas with a partner.      NEXT

Belt and pulley systems are used to transfer movement from one axel to another.



How could you use this kind of mechanism to make a fairground ride?



BACK      NEXT

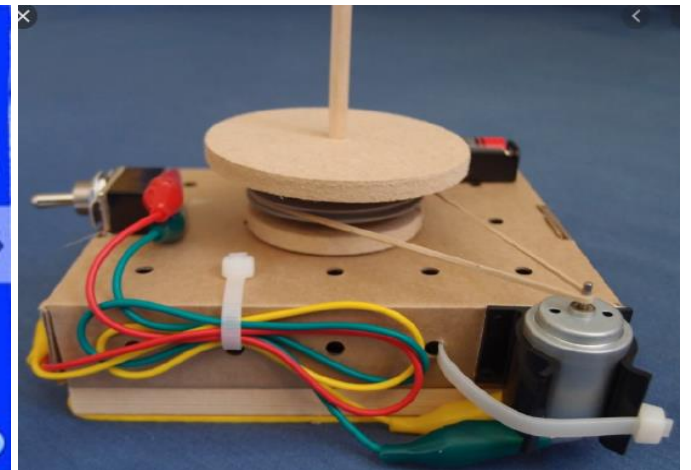
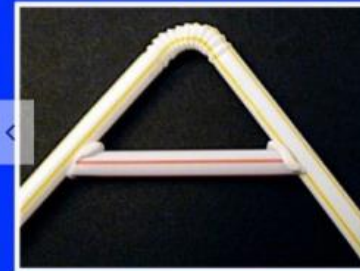


Image 2

There are lots of different ways to reinforce your frameworks to make them sturdier.



Try creating a triangle out of your corners. This will help the corner to keep its shape as well as making it stronger.

BACK      NEXT

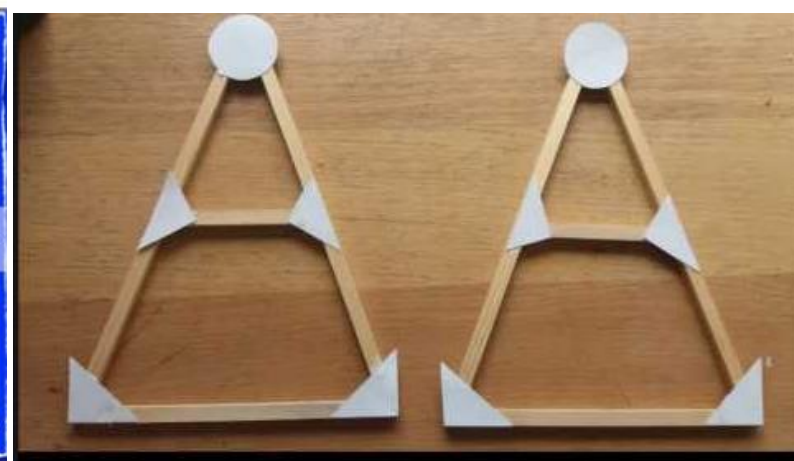
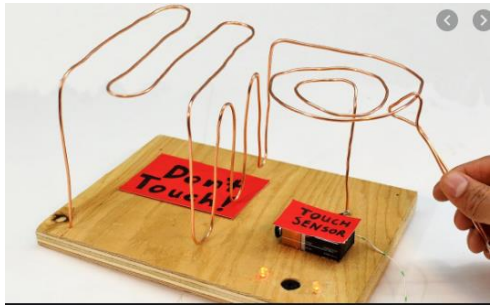


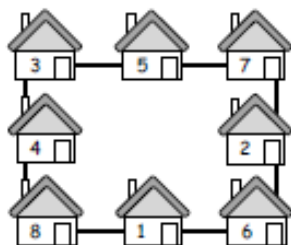
Image 3

Some ideas if you choose to make a game



### 68 Albert Square

For example:



### 69 Coins on the table

Anna put 12 coins on the table.

### 70 A bit fishy

Nasreen bought 4 angel fish and 8 goldfish.

### 71 Pet shop

1. Jim sold the dog and the cat for £72 and £48 respectively, a total of £120.
2. The dog cost £50 and the cat cost £75, a total of £125.  
The cat and the dog were sold for a total of £120, so Jim made a loss of £5.

### 72 Shape puzzle

The circle has the value 5.  
The triangle has the value 8.  
The club has the value 6.

▲	♣	▲	○	27
♣	○	♣	▲	25
○	○	○	○	20
▲	♣	♣	▲	28
27	22	25	26	

### 73 Eggs

Mrs Choy bought:  
10 large eggs at 50p each,  
10 medium eggs at 10p each,  
80 small eggs at 5p each.

### 74 Anyone for tennis?

Ali, Luke, Holly and Zoe play tennis.  
Two boys can play.  
Ben won't play if Luke plays.  
So the two boys must be Ali and Ben,  
or Ali and Luke.  
Ali will play only if Holly plays.  
Holly won't play with Ben.  
So the two boys are Ali and Luke.  
Luke will play only if Zoe plays.  
So the two girls are Holly and Zoe.

### 75 Bus routes

There are six different routes from A back to A:

A B C D E F A  
A B D C E F A  
A B D E C F A

and the three reversals of these.

The cheapest routes are A B D E C F A  
and its reversal, which each cost £21.

### 76 Slick Jim

Jim won £540 000.

### 77 All square

For example:

