



Year 4 Home Learning week beginning 22/06/2020

Please see below the tasks we would like your child to work on this week. Please do what you can but do not worry if you cannot complete all the work. Just do the amount of work that is right for your individual child and do not worry if it does not all get completed. We understand that each and every one of you is facing different circumstances and challenges.

If you have any problems, please remember that you can email me at sbutcher@wtwschool.co.uk during school hours. I will also be calling once a week so please feel free to use that call to ask for any help with any of the tasks, or to share what you have been doing.

Please note that any links to internet sites and YouTube videos need to be supervised by an adult, and they may contain adverts. You do not need to pay for any of the sites we are suggesting.

If you need any additional pencils, paper or other stationery, please contact the school and we can arrange that for you to collect.

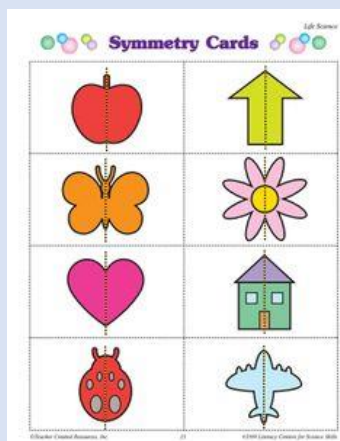
Maths

Information for Parents:

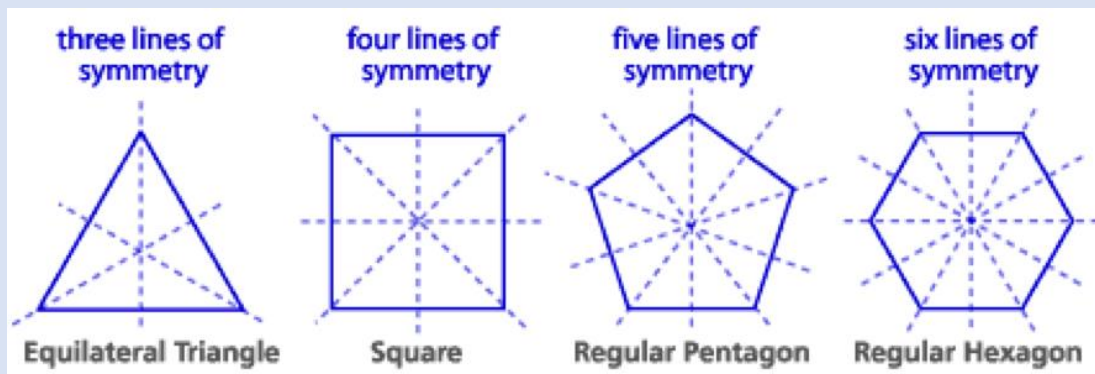
The focus for this week will be on symmetry, co-ordinates and translating shapes. Below are some explanations relating to these areas:

Symmetry

Something is symmetrical when it is **the same on both sides**. A shape has symmetry if a central dividing line (a **mirror line**) can be drawn on it, to show that both sides of the shape are exactly the same. Here are some examples of pictures with a line of symmetry:



Some shapes have lots of lines of symmetry:

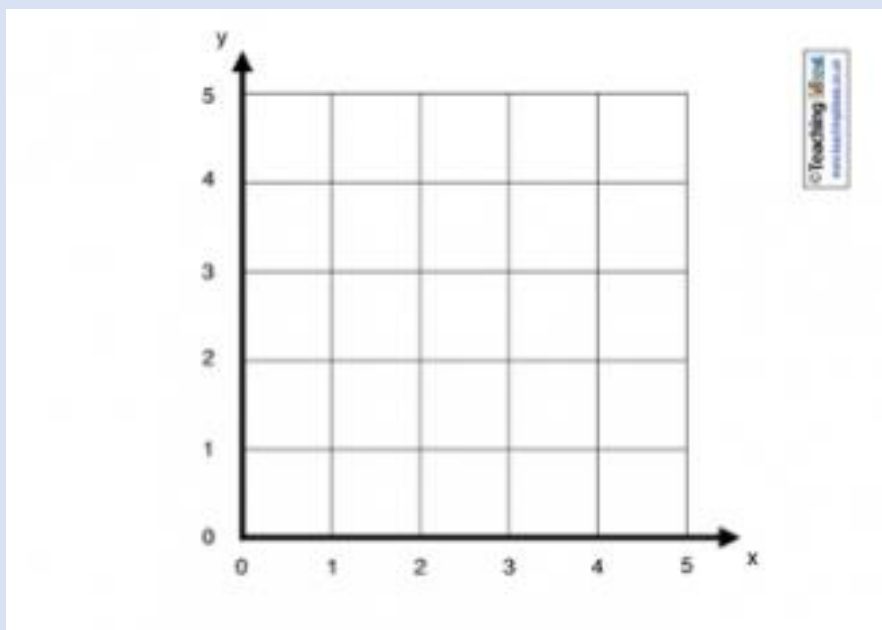


Co-ordinates

A point on a grid has **two numbers** to identify its position. These numbers are known as coordinates.

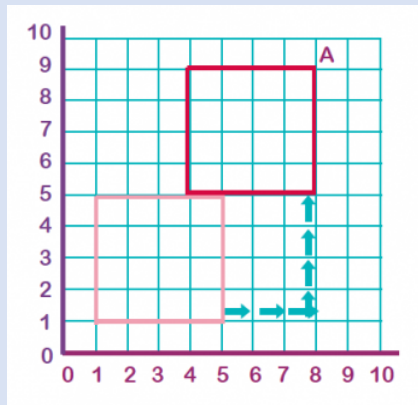
Coordinates are always written as the number of steps across first, then the number of steps up or down.

Grids have **two axes**. The **horizontal axis is called the x-axis** and the **vertical axis is called the y-axis**. These axes can be used to find a point on a grid.



Translating Shapes

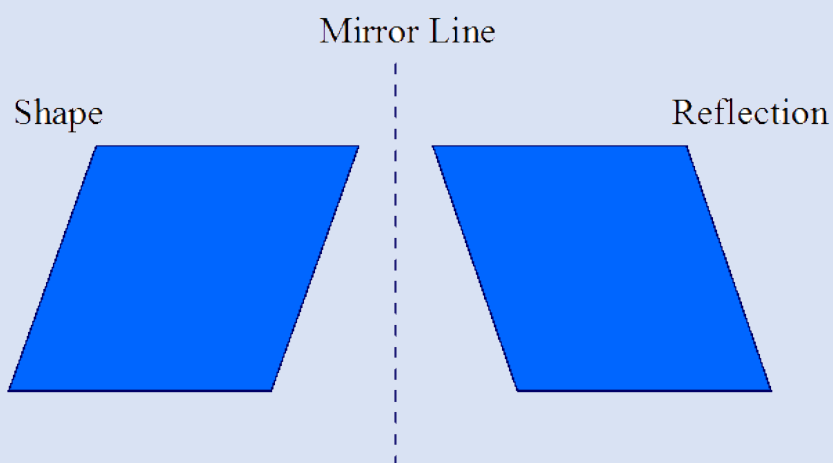
A translation **moves a shape up, down or from side to side** but it does not change its appearance in any other way. Every point in the shape is translated the same distance, in the same direction.



This shape has a translation of (3, 4). Each point of the square has been moved 3 across and 4 up.

Reflection

Every point is the same distance from the central line and the reflection has the same size as the original image. The central line is called the **Mirror Line**.



Mymaths.co.uk tasks

This is a suggested break down of a lesson per day but it is up to you when they are completed in the week.

Monday

Today the focus will be on lines of symmetry.

Watch:

<http://www.bbc.co.uk/bitesize/topics/zrhp34j/articles/z8t72p3>

Children are to complete the lesson on My Maths:

Geometry > Year 5 > Position and Direction > Symmetry

	<p>And then complete the homework task set linked to this by logging in with your username and password.</p>
Tuesday	<p>Today the session will focus on symmetry.</p> <p>Watch:</p> <p>https://www.bbc.co.uk/teach/class-clips-video/maths-ks2-finding-lines-of-symmetry/zktfgwx</p> <p>Children are to complete the two investigation lessons on My Maths. You will need to search for these as they are not listed on Year 4 tasks set: <u>Year 4> Geometry> Position and Direction> Investigate Symmetry 1</u></p> <p><u>Year 4> Geometry> Position and Direction> Investigate Symmetry 2</u></p> <p>And then complete the task(which is listed):</p> <p><u>Year 4> Geometry> Position and Direction> Symmetry OW</u></p>
Wednesday	<p>Today the focus will be on Co-ordinates.</p> <p>Watch:</p> <p>https://www.bbc.co.uk/bitesize/topics/zs7mn39/articles/zvfhhbk</p> <p>Children are to complete the lesson on My Maths:</p> <p><u>Geometry> Year 4> Position and Direction> Coordinates 1</u></p> <p>And then complete the homework task set linked to this by logging in with your username and password.</p>
Thursday	<p>Today the focus will be on Translating Shapes.</p> <p>Watch:</p> <p>https://www.bbc.co.uk/bitesize/topics/zs7mn39/articles/zj8ccqt</p>

	<p>Children are to complete the lesson on My Maths:</p> <p><u>Geometry> Year 4> Position and Direction> Translating</u></p> <p>And then complete the homework task set linked to this by logging in with your username and password.</p>
Friday	<p>Today the focus will be on Translating and Reflecting.</p> <p>Children are to complete the lesson on My Maths:</p> <p><u>Geometry> Year 5> Position and Direction> Translating and Reflecting</u></p> <p>And then complete the homework task set linked to this by logging in with your username and password.</p>
<p>Extra Optional Work:</p> <p>IXL W16 W18</p> <p>Or try these online games:</p> <p>https://www.mathsisfun.com/data/click-coordinate.html</p> <p>https://www.mathnook.com/math/boatcoordinates.html</p>	
<p>Reminder:</p> <p>You can also spend some time each day on Time Tables Rock Stars. Your username and password are in your Home Learning pack.</p>	

Reading
<p>Please read daily a book of your choice for at least 30 minutes.</p> <p>Alternatively, you can read a free copy of the children's newspaper, First News, found at:</p> <p>https://schools.firstnews.co.uk/wp-content/uploads/sites/3/2020/03/Lores_718-1.pdf</p>

Information for Parents:

This week we are going to focus on writing instructions including recipes. It is important to remember that instructions need to be clearly written in a particular order for the reader to follow. It is good to use sequencing sentence starters and other adverbials such as:

First...	Next...	
After...	Finally...	Carefully...
Sensibly...	Slowly...	Be careful...
Draw...	Cut...	Glue...
Attach...	Decorate...	Don't forget...

Some of the sentence starters are time adverbials that indicate the order in which to follow the instructions. Others tell you how to carry out the instruction such as carefully, quickly and slowly.

These links may be useful before starting the tasks:

<https://www.bbc.co.uk/bitesize/topics/zkgcwmn/articles/zfrcmfr>

<https://www.bbc.co.uk/teach/class-clips-video/english-ks1-ks2-how-to-write-clear-instructions/zrvtscw>

You may want to watch and do the activities on the site below as it explains the use of modal verbs. These are used in a range of writing types but in instruction writing they are used to give the degree to which you should follow the command. For example, you **must**, you **could**, you **may**, you **should** etc.

<https://www.bbc.co.uk/bitesize/articles/znd26v4>

Task 1

Watch the following set of instructions and make a paper aeroplane:

<https://www.youtube.com/watch?v=r9ReNKZiZNc>

While you are making it, listen carefully to how the instructions are given.
Could they be clearer?

Would they be easy to follow if you did not have a video to watch?

Task 2

For your first writing task, write a set of instructions to clearly instruct how to make a paper aeroplane. You can use the example above or a design of your own.

Write clear instructions in number order.

You could add diagrams if this will help someone to follow the instructions.

Remember how clear you have to be as your instructions will be read. You will not have a video to demonstrate your instructions.

You could begin with:

How To Make A Paper Aeroplane

1. *Using a sheet of A4 paper, fold it in half so the long side meets the opposite long side. Press the crease down firmly with your fingertip.*

Task 3

This task involves you writing a set of instructions for a game. Think of a game you play at home or you would play in the playground.

Write a set of clear instructions for someone who has never played the game before.

Here is an example:

Stuck In The Mud

1. *To begin, choose one student to be "It," and have them chase and tag the other players.*
2. *Once tagged, players are "stuck in the mud" and must stand still with their legs apart.*
3. *Players who aren't stuck can free people who are stuck by crawling through their legs or under their arms.*
4. *Once players are freed, they can run around again. Otherwise, they must stay in the mud.*
5. *Continue playing until all players have been tagged. Then, choose another student to be "It."*

You could choose a chasing game, a skipping game, a ball game or a less physical game such as Rock, Paper, Scissors.

Task 4

For the last task you can choose a recipe to write. You could think about the recipe for one of your favourite treats or find a recipe online or ask someone in your family if they know a good recipe. Here is an example:

Cornflake Crispies:

Ingredients

- 50g butter
- 100g milk or dark chocolate
- 3 tbsp golden syrup
- 100g cornflakes

Equipment

Cupcake cases
Muffin Tray
Spoons
Bowls

Method

1. First, weigh out the ingredients. Older children can do this by themselves with supervision and little ones can help to pour or spoon ingredients into the weighing scales.
2. Next, put 50g butter, 100g milk or dark chocolate, broken into chunks and 3 tbsp golden syrup in a saucepan or microwavable bowl.
3. Then, put 100g cornflakes in another large bowl.
4. Carefully melt the weighed butter, chocolate and golden syrup in the saucepan over a low heat or briefly in the microwave. Allow to cool a little before pouring over the cornflakes.
5. Gently stir the ingredients together gently using a wooden spoon. Spoon the mixture into 12 cupcake cases arranged on a muffin tray (or baking sheet, if you don't have one).
6. Finally, put the cakes in the fridge to set.

Safety Tip:

Grown ups will need to melt the wet ingredients for younger children.

Make sure you write it clearly for someone to follow. Imagine they have never made anything or cooked before. Make sure the instructions are clear and detailed.

Use the following headings:

Ingredients

Equipment

Method

- 1.
- 2.
- 3.

Safety Tips or Advice

Grammar

Learn:

Joining words, or **coordinating conjunctions**, are words like and, because, if and when. We can use them to link two ideas together. For example:
You will need a net and you will need a box too.

A good thing about the joining words because, if and when, is that we can use them at the beginning or in the middle of a sentence. For example:

- You will need to be prepared because your monster might try to escape.
- Because your monster might try to escape, you will need to be prepared.

Watch and Do:

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

**Do: IXL A1 (to remind yourself of commands to use in your instruction writing)
H1 and H2 (Co-ordinating conjunctions)**

Science/Topic

2020 marks the 200th anniversary of the first sighting of Antarctica. Since then it has been a destination for explorers and scientists whose voyages help inform us of the role this continent plays in our world. The following links and videos will help you to research how the extreme cold weather climate of Antarctica makes any visit there very challenging.



After watching and reading about Antarctica and its extreme climate, write a Fact File to include as much information as possible. These links will help you:

<https://kids.kiddle.co/Antarctica>

<https://www.sciencekids.co.nz/sciencefacts/earth/antarctica.html>

<https://www.kids-world-travel-guide.com/antarctica-facts.html>

<https://www.youtube.com/watch?v=X3uT89xoKuc>

<https://www.youtube.com/watch?v=WqnQo3DgEoo>

<https://www.nationalgeographic.org/encyclopedia/antarctica/>

<https://www.coolkidfacts.com/antarctica-facts/>

You could use these headings:

Location and Size:

Climate/Temperature:

Explorers and Journeys:

Animals and Wildlife:

Human Activity: (Clue - 'Science Stations')

Interesting Facts:

Creative Activities and PE

If you would like to, why not try one or more of the following activities:

Lambeth have created an excellent website with links to lots of creative websites and activities. You can filter by age group and category (eg art, dance, music, poetry etc).

<https://elevatelambeth.london/>

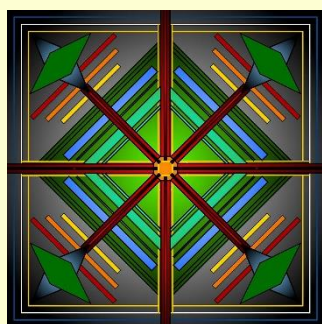
Drama

London Bubble Theatre Company have produced some fun drama games and activities that can be done in the home. Walnut Tree Walk children love to use their imagination so this could be a great resource. Either google 'London bubble speech bubble' or go to the following link:

<https://www.londonbubble.org.uk/wp-content/uploads/2018/12/Drama-games-pack.pdf>

Art

As we are looking at symmetry in maths this week, you could try to produce a symmetrical picture or a picture with a reflection in. Here are some examples/ideas:



CoolIt Art have some great free resources, activity ideas and lessons available here:

<https://www.coolitart.com/teaching-packs/>

Why don't you give one of them a try and send me a picture?

Music

Why not try and make some instruments using items that you would normally put in the recycling. You can watch this video for inspiration:

<https://www.youtube.com/watch?v=ck8HlhHPLfQ>

If you have borrowed an instrument from the school library, you should have received some music sheets to help you learn at home. If you need more, please contact Chris cbrown@wtwschool.co.uk

You could have a go at composing your own music. Go to the following link:

https://www.classicsforkids.com/games/compose_your_own_music.php

There are lots of great activities on the BBC Bring the Noise website for children of all ages:

<https://www.bbc.co.uk/teach/bring-the-noise>

Dance	Emanuela will be doing a weekly dance lesson for the children at Walnut Tree Walk. This video lesson can be accessed at any time. The link will be sent out when it is ready each week.
PE	<p>Joe Wicks is providing free PE lessons live at 9am each day via his YouTube channel. This is a great way to start the day and is suitable for all ages. Either google 'Joe Wicks PE lesson' or go to the link below:</p> <p>https://www.thebodycoach.com/blog/pe-with-joe-1254.html</p>