

**Year 6**  
**Home Learning 12**



Here are some topics which you can work from at home. All work can be recorded in a way you choose. This grid is similar to what the Year 6 children are learning about in school.

Each day we put a 'Word of the Day' on the grid below. See if you can:

- Find the definition
- Use the word in a sentence
- List any synonyms
- List any antonyms
- Use the word in a different context
- Use an image to represent the word - be creative!

		English	Maths	Physical learning	Science	Creative/Transition
Monday	exquisite	<p><b>SPaG.com</b></p> <p>Please log on and complete the activities.</p> <p><b>Spelling Shed</b></p> <p>Please log on and complete the activities.</p>	<p><b>Starter:</b></p> <p><a href="https://myminimaths.co.uk/year-6-to-7-transition-week-3-simplifying-expressions-monday/">https://myminimaths.co.uk/year-6-to-7-transition-week-3-simplifying-expressions-monday/</a></p> <p><b>Coordinates</b></p> <p><a href="https://classroom.thenational.academy/lessons/to-describe-coordinate-positions-on-a-grid">https://classroom.thenational.academy/lessons/to-describe-coordinate-positions-on-a-grid</a></p>		<p>How to Grow a Rainbow Science Experiment</p> <p>Please see sheet below</p>	
Tuesday	bewildered	<p><b>Exploring Words -</b></p> <p>Be a colour designer for a new paint company</p> <p>See attached PDF document</p>	<p><b>Starter:</b></p> <p><a href="https://myminimaths.co.uk/year-6-to-7-transition-week-3-simplifying-expressions-tuesday/">https://myminimaths.co.uk/year-6-to-7-transition-week-3-simplifying-expressions-tuesday/</a></p> <p><b>Coordinates</b></p> <p><a href="https://classroom.thenational.academy/lessons/to-solve-practical-coordinate-problems">https://classroom.thenational.academy/lessons/to-solve-practical-coordinate-problems</a></p>	<p><b>Choose your character workout.</b></p> <p>Click on this link: <a href="https://youtu.be/5oA_5P_TZ1Q">https://youtu.be/5oA_5P_TZ1Q</a></p> <p>Pick an emoji on the screen (left or right) and then follow that workout.</p>		

Wednesday	formidable	<p><b><u>To find a voice for an inanimate object</u></b></p> <p>See attached PDF document</p>	<p><b><u>Starter:</u></b></p> <p><a href="https://myminimaths.co.uk/year-6-to-7-transition-week-3-simplifying-expressions-wednesday/">https://myminimaths.co.uk/year-6-to-7-transition-week-3-simplifying-expressions-wednesday/</a></p> <p><b><u>Coordinates</u></b></p> <p><a href="https://classroom.thenational.academy/lessons/to-solve-practical-coordinate-problems-e4c21b">https://classroom.thenational.academy/lessons/to-solve-practical-coordinate-problems-e4c21b</a></p>			<p><b><u>Op Art</u></b></p> <p>Click on this link <a href="https://youtu.be/9DW4wg2DdwU">https://youtu.be/9DW4wg2DdwU</a></p> <p>and follow this tutorial to create a really easy but amazing looking op art (optical illusion art).</p> <p>See sheet for picture instructions</p>
Thursday	determined	<p><b><u>Write an 'I come from...' poem</u></b></p> <p>See attached PDF document</p>	<p><b><u>Starter:</u></b></p> <p><a href="https://myminimaths.co.uk/year-6-to-7-transition-week-3-simplifying-expressions-thursday/">https://myminimaths.co.uk/year-6-to-7-transition-week-3-simplifying-expressions-thursday/</a></p> <p><b><u>Coordinates</u></b></p> <p><a href="https://classroom.thenational.academy/lessons/coordinates-and-shapes-to-recognise-3-d-shapes">https://classroom.thenational.academy/lessons/coordinates-and-shapes-to-recognise-3-d-shapes</a></p>		<p><b><u>Science</u></b></p> <p>Picking up an ice cube</p> <p>Can you pick up an ice cube with just a thread?</p> <p>See sheet attached</p>	
Friday	sufficient	<p><b><u>Write an 'I come from...' poem</u></b></p> <p>See attached PDF document</p>	<p><b><u>Starter:</u></b></p> <p><a href="https://myminimaths.co.uk/year-6-to-7-transition-week-3-simplifying-expressions-friday/">https://myminimaths.co.uk/year-6-to-7-transition-week-3-simplifying-expressions-friday/</a></p> <p><b><u>Coordinates</u></b></p> <p><a href="https://classroom.thenational.academy/lessons/coordinates-and-shapes-to-recognise-nets-of-3-d-shapes">https://classroom.thenational.academy/lessons/coordinates-and-shapes-to-recognise-nets-of-3-d-shapes</a></p>	<p><b><u>Skee Ball.</u></b></p> <p><b>Click on this link:</b></p> <p><a href="https://youtu.be/0akx7ijSYx0">https://youtu.be/0akx7ijSYx0</a></p> <p>You can use washing baskets, boxes – anything that a ball can land in.</p> <p>Use a piece of wood or cardboard to make a small ramp before the first box. Add score points to each basket (the further away the more points). Play with family members and see who can score the most.</p> <p>See pictures attached</p>		

## How to Grow a Rainbow Science Experiment

Did you know that you can grow your own rainbow?

You will need a scientific process called the **capillary action**. This action happens when a liquid moves up through a hollow tube or into a spongy, solid material. It happens when three forces work together: **cohesion**, **adhesion** and **surface tension**.

Water molecules like to stick to each other - this is called **cohesion**. They also like to stick to solids in a process called **adhesion**.

In this experiment, you are going to use kitchen roll. The fibres in kitchen roll have lots of little holes. Water is **absorbed** through the kitchen roll because when the first water molecule **adheres** to it and begins to move upward, it pulls the next water molecule up with it, like a chain.



### Words To Learn:

- capillary action
- adhesion
- cohesion
- absorbed

### You will need:

- Kitchen roll/paper towel
- Felt-tip pens
- Two small bowls of water
- Paperclip
- Thread

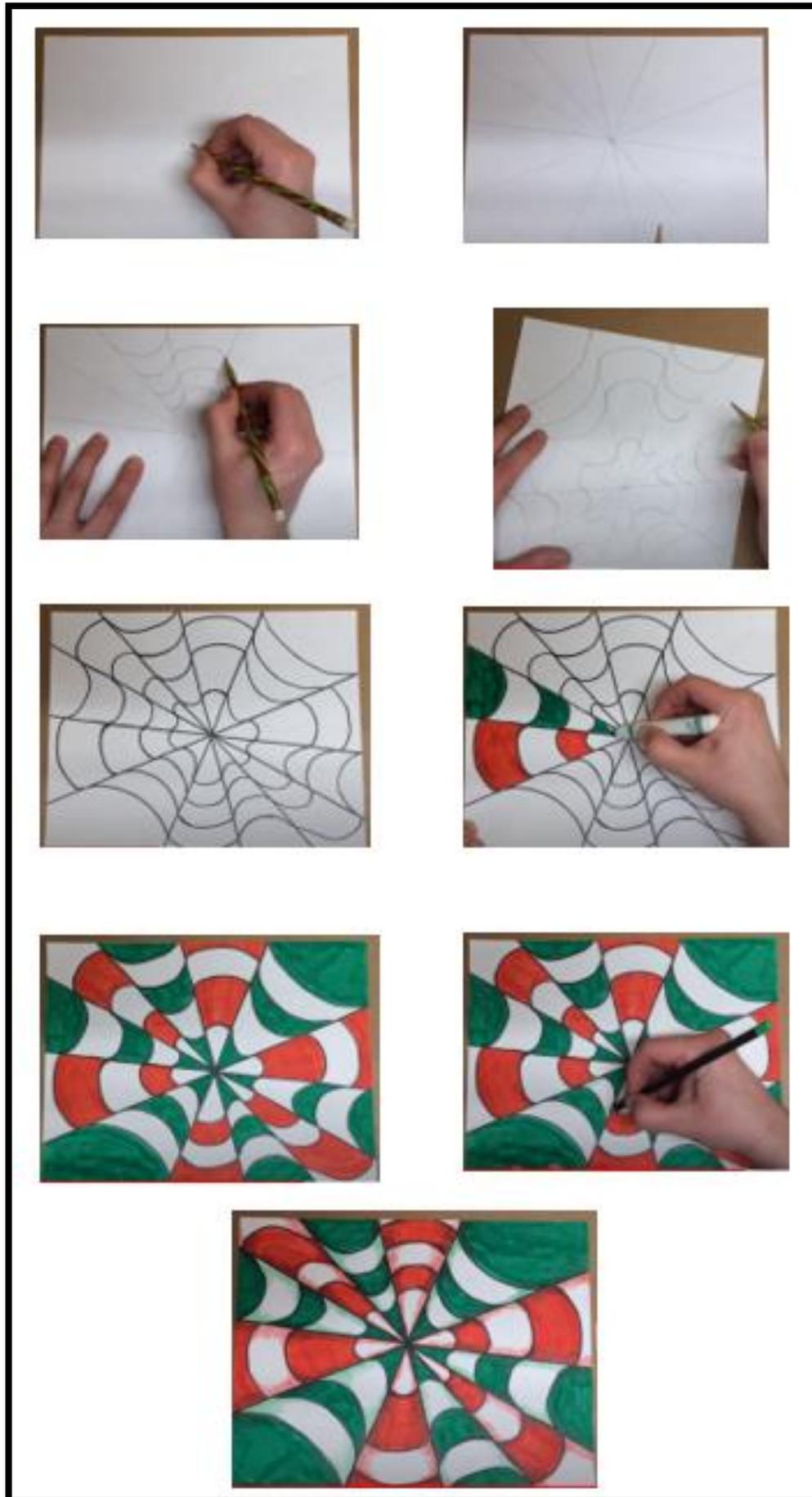
### What To Do:

1. Cut the kitchen roll into the shape of a rainbow.
2. At each end, use the felt-tip pens to colour a rainbow about 2cm up from the bottom. Remember the order of the colours: red, orange, yellow, green, blue, indigo, violet.
3. Attach the paperclip to the top of the rainbow and tie a piece of thread to it. This will allow you to hold your rainbow.
4. Add water to the two bowls.
5. Hold the rainbow with both ends slightly submerged into each bowl of water and watch your rainbow grow.



Wednesday

OP Art – if you cannot access the internet to follow this tutorial, copy these steps:



## Picking Up an Ice Cube

Science Experiment

Ice cubes are a great thing to add to your drink on a sunny day. Using only a length of thread, can you pick up the ice cube?

### You will need:

- ice cube
- thread
- salt
- glass of water



### Method:

1. Try different ways of picking up the ice cube using only the thread. You might try tying it around the cube, making a loop or some other way.
2. Now put the ice cube in the glass of water.
3. Lay the thread on top of the ice cubes with the ends hanging over the side of the glass.
4. Sprinkle salt on top of the ice cube and thread. Leave it for a few minutes.
5. Take both ends of the thread and pick them up.
6. Lift up the ends of the thread and hold them up high. See what happens to the ice cube.

### The science:

Saltwater freezes at a lower temperature than normal water (this is why the sea doesn't freeze over). The salt melts some of the ice so the thread goes slightly inside the ice cube. The water over the thread freezes again slightly (because the air by the cube is cold), trapping the thread inside the cube. So when you lift the thread, the cube comes with it.

Why do you think it's difficult to tie the thread around the ice cube? Provide an explanation.

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Observe and explain what happened when you put salt on the ice cube and thread:

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When do you think this science might be used in real life?

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When the roads are icy and slippery, salt is sometimes put on them. Why do you think this is?



Friday

PE – Skee Ball

