Maths

Remember to practise number bonds to 10 and the 4 operations (+, -, x, ÷).

- https://www.topmarks.co.uk/learning-to-count/place-value-basketball
- https://www.topmarks.co.uk/maths-games/daily10
- https://www.topmarks.co.uk/maths-games/mental-maths-train
- https://www.mathplayground.com/number_bonds_10.html

Shape: Key Vocabulary - Sides, corners, edges, vertices, symmetry/symmetrical

See link below for Twinkl poster with more vocabulary and shape names.

☞ Year 2 Properties of Shape Maths Knowledge Organiser

Activity 1:

Look for different shapes/objects around your home. Can you make a table and sort 2D and 3D shapes/objects?

2D Shapes	3D Shapes

Draw and label the shapes/objects. If you want to, you could take photographs of the shapes/objects.

Activity 2:

Make 2D shapes using small sticks/straws/pens/stones.

Make a 2D shape from your table in activity 1 and describe the properties to an adult.

Can you describe a shape to another person in your home for them to make? Make sure you use the correct vocabulary.

Challenge:

Can you make a shape with more than 1 line of symmetry? (Remember: when a shape is symmetrical, it is the same on both sides. You can test this out with a small mirror).

Activity 3:

Make a collection of 3D objects from your home, this could be a tin of beans, a cereal box, a dice and a ball. Can you name the 3D shapes?

Now make a simple slide or ramp.

Which shapes do you think will roll? (Have a guess)

Now test using your slide/ramp.

Tell an adult why you think these 3D shapes roll.

Data Handling:

Activity 1:

You can build this activity into your daily exercise.

Copy the table below, or you may want to adapt and add your own data you would like to collect. Go for a walk and use a tally to collect your data.

Rainbows	NHS Posters	Dog walkers	Runners	Cyclists
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Total your tally for each column when you get back home.
Which column is the highest tally?
Which has the least?
Can you find the difference between the highest and lowest columns?

Activity 2:

Follow the link below to download a bar graph template.
Remember to list the objects you looked for on the bottom line (x axis) and the scale/tally number up the side (y axis).
Thinking about the scale, will you have enough room to go up in ones?
If not, would it be better to go up in 2's, 5's or 10's?
FREE! - Blank Graph | Template | Primary Maths Resources

Activity 3:

Answer the following questions:
Which bar has the greatest amount/least amount?
What is the difference between these?
Challenge:

Now write some of your own questions to go with your graph.

Measurement:

What is measurement? What can we measure? Why do we measure things?
When we measure, we use metres (m), centimetres (cm) and millimetres (mm).
Activity 1:

We need to choose the appropriate unit of measure. We wouldn't measure a giraffe's neck using mm - it would take us ages! Can you think of different objects that you would measure using the different units of measure? Here are some examples:

Metres (m)	Centimetres (cm)	Millimetres (mm)
An adult's height.	*A pencil.*	*A fingernail.*

Activity 2:

Sometimes we make an estimate of the height of a building or the width of a door. You could estimate the measurements of objects around your home and then measure them using a ruler. (If you can't find a ruler then you could use an app on a phone or ipad) Record your results in a table.

Can you measure some vegetables? Can you measure your favourite toy?

We must always remember to start measuring from the 0 on the ruler.

The top of your thumb to your thumb joint is roughly a cm. You could estimate the length or width of an object using your thumb.

Object	Estimate	Measurement
Coffee table	*35cm*	*30cm*
Carrot	*12cm*	*10cm*

Challenge: can you compare the measurements using <, > and =?

Object	<, > or =	Object
Coffee table - 30cm	>	*Carrot - 10cm*

Activity 3:

Let's use our ruler to draw some lines. Can you draw a line that is 8cm long? Can you draw a line that is 5cm?

Now you could draw some pictures! Can you draw a flower that is 11cm tall? Can you draw an alien that is 15cm tall? Remember that you could send us some photos of your drawings!

Challenge: can you draw a square which has 9cm sides? Which other shapes can you draw?