

## Year 4

Half Term Break Activities - don't forget to keep reading the books on Epic! You're doing an amazing job so far and it is great to see so many of you reading some fantastic books. Remember there are lots of lessons and activities on BBC Bitesize too.

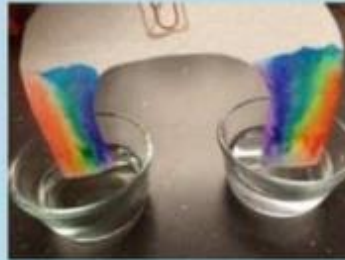
Monday

### Art

# How to Grow a Rainbow

#### You will need:

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



1. Cut your kitchen roll into the shape of a rainbow.
2. Colour a rainbow with felt tips about 2 cm up on both sides.
3. Attach your paper clip to the top and tie a piece of thread to it. This will give you something to hold your rainbow with.
4. Fill each small container with water.
5. Hold your rainbow with the ends slightly submerged in the water then watch your rainbow grow!



#### THE SCIENCE

A brief introduction to 'capillary action'! Water molecules like to stick to things - including themselves. Sticking to things is called *adhesion* and sticking to itself is called *cohesion*. The fibres in kitchen roll make lots of little holes. Water is 'sucked' through the holes because of adhesion (liking to stick to other things) and cohesion (liking to stick to itself) means the rest of the water follows. The water pressure will eventually slow down and the pressure of gravity will mean it stops moving.

@MrsBpriSTEM

### Reading

Make sure you try to read for 10 minutes today on Epic!

## Sunshine Lollies

Have a look at these ice lollies you can make. They're so simple and if you don't have an ice lolly mould use something else! You could use an ice cube tray or a small plastic container. <https://www.bbcgoodfood.com/recipes/sunshine-lollies>



### Ingredients

5 large carrots

Juice of 3 large oranges, zest of 1

1 satsuma, peeled then chopped (optional)

### Method

Finely grate the carrots and place in the middle of a clean tea towel. Gather up the towel, and squeeze the carrot juice into a jug, discarding the pulp. Add the orange juice and top up with a little cold water if needed to make up 360ml liquid. Stir in the orange zest and satsuma pieces, if using. Pour into lolly moulds and freeze overnight.

### Reading

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Tuesday

## Numeracy

Choose one or more of the numeracy activities below. Can you complete all of the challenges?!

$6 \times 3 = \underline{\quad}$        $3 \times 11 = \underline{\quad}$

$1 \times 3 = \underline{\quad}$        $8 \times 11 = \underline{\quad}$

$9 \times 4 = \underline{\quad}$        $9 \times 7 = \underline{\quad}$

$4 \times 12 = \underline{\quad}$        $9 \times 8 = \underline{\quad}$

$12 \times 7 = \underline{\quad}$        $3 \times 12 = \underline{\quad}$

$4 \times 3 = \underline{\quad}$        $3 \times 8 = \underline{\quad}$

$4 \times 2 = \underline{\quad}$        $12 \times 8 = \underline{\quad}$

$9 \times 9 = \underline{\quad}$        $7 \times 8 = \underline{\quad}$

$4 \times 11 = \underline{\quad}$        $9 \times 7 = \underline{\quad}$

$9 \times 6 = \underline{\quad}$        $11 \times 9 = \underline{\quad}$

*Round these numbers to the nearest 100*

$1) 243 \rightarrow \underline{\quad}$      $2) 184 \rightarrow \underline{\quad}$      $3) 266 \rightarrow \underline{\quad}$

$4) 873 \rightarrow \underline{\quad}$      $5) 327 \rightarrow \underline{\quad}$      $6) 109 \rightarrow \underline{\quad}$

$7) 358 \rightarrow \underline{\quad}$      $8) 772 \rightarrow \underline{\quad}$      $9) 536 \rightarrow \underline{\quad}$

$10) 82 \rightarrow \underline{\quad}$      $11) 916 \rightarrow \underline{\quad}$      $12) 447 \rightarrow \underline{\quad}$

$13) 752 \rightarrow \underline{\quad}$      $14) 707 \rightarrow \underline{\quad}$      $15) 364 \rightarrow \underline{\quad}$

$16) 436 \rightarrow \underline{\quad}$      $17) 750 \rightarrow \underline{\quad}$      $18) 347 \rightarrow \underline{\quad}$

$19) 782 \rightarrow \underline{\quad}$      $20) 158 \rightarrow \underline{\quad}$      $21) 954 \rightarrow \underline{\quad}$

$1) \frac{3}{5} + \frac{1}{5} = \frac{\quad}{5}$

$2) \frac{1}{6} + \frac{4}{6} = \frac{\quad}{6}$

$3) \frac{2}{7} + \frac{3}{7} = \frac{\quad}{7}$

$4) \frac{3}{8} + \frac{5}{8} = \frac{\quad}{8}$

$5) \frac{2}{5} + \frac{2}{5} = \frac{\quad}{5}$

$6) \frac{3}{10} + \frac{7}{10} = \frac{\quad}{10}$

$7) \frac{2}{9} + \frac{5}{9} = \frac{\quad}{9}$

$8) \frac{6}{11} + \frac{3}{11} = \frac{\quad}{11}$

$9) \frac{7}{20} + \frac{13}{20} = \frac{\quad}{20}$

$10) \frac{2}{7} + \frac{4}{7} = \frac{\quad}{7}$

$11) \frac{11}{20} + \frac{3}{20} = \frac{\quad}{20}$

$12) \frac{5}{12} + \frac{7}{12} = \frac{\quad}{12}$

### Times tables

Practise your times tables on Times Tables Rockstars!

Wednesday

Thursday

**Sport**

Have a go at some yoga this week. If you can and the weather is nice why not do it outside?! <https://www.youtube.com/watch?v=tbCjkPlsaes>

Or...

Make up a game you can play with the other people in your home. Have you got a football? You can see how many goals you can score. How many star jumps can you do in 1 minute? Or how long does it take you to skip, run or hop around your garden 10 times?



**Reading**

Make sure you read for 10 minutes on Epic!

Friday

**Art**

**Materials**

Cardboard

Collage materials to cut up like coloured paper, old artwork, fabric, wooden craft sticks or items from the recycling bin

Glue

Scissors and/or a craft knife

**Method**

Begin by cutting out the dinosaur body and leg shapes from the cardboard, we used a craft knife to cut ours out. Prepare all your collage materials by cutting up coloured paper, old artwork or fabric. Now begin gluing and decorate your dinosaurs. Cut slots in the legs and body of the dinosaurs so you can attach the legs. Try making a whole herd of dinosaurs to play with!

Use the website to help you <https://minimadthings.com/blogs/news/3d-collage-dinosaur>



**Times tables**

Practise your times tables on Times Tables Rockstars!