



W.C. 8TH June

Maths

After watching the videos have a go at some of the suggested activities.

There is no expectation to complete all of the work or to print worksheets off - children can work on paper if they want to write it down.

(Please note these links are dated week 1st June. We have selected activities and work that is best suited to our Reception children)

Monday - Sorting 2D Shapes

For today's learning you will need:

- Ruler
- Coin
- Cracker or bread
- Bottle lid
- Piece of tissue
- Cardboard triangle, circle and square (a cereal box would be perfect for this).

Please follow link: <https://www.thenational.academy/reception/maths/sorting-2d-shapes-reception-wk6-1#slide-2>

Activity 1 - Using resources listed above and you may wish to use some extra objects that you find around the home. Ask your child to sort the objects into two groups ('have straight sides' and 'does not have straight sides') and to discuss their reasons. Ask your child whether they can think of other ways to sort the objects e.g. 'has four corners' or 'does not have four corners'. *Place your cardboard cut outs in front of you and your child and ask them to describe a shape to you. Encourage them to use some of the star words introduced in today's video e.g sides, corners, straight sides, curved sides etc.*

Activity 2 -

<https://www.bbc.co.uk/bitesize/topics/zjv39j6/articles/ztpwdmn>

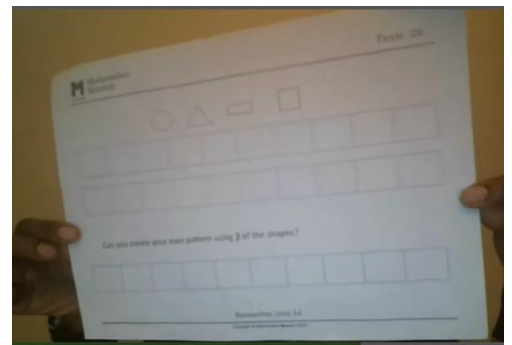
Watch video which will help your child to recap on 2D shape names and explore objects of this shape in the environment. Go on a shape hunt and spot different 2D shapes you can see. Look at the picture on the next page and discuss the shapes you can see. Ask your child to count a given shape e.g. how many circles can you see? Repeat with different shapes. Your child could record their findings on paper.



Tuesday - Creating Patterns with Shapes

For today's learning you will need:

- Three colouring pencils
- Draw out sheet on paper (see image)

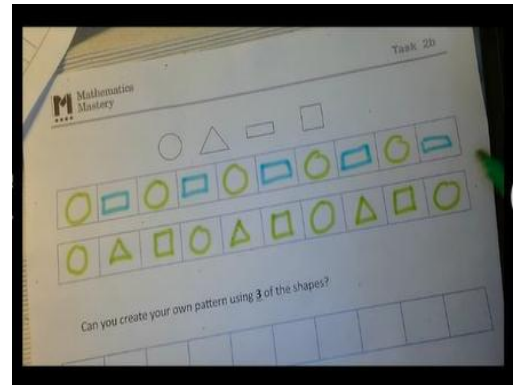


Please follow link: <https://www.thenational.academy/reception/maths/creating-patterns-with-shapes-reception-wk6-2#slide-2>

Activity 1 - Make a pattern using body actions or movements. You could tap, stomp, clap, nod, jump etc. It might be nice to make up a little song just like in the video e.g.

tap, tap, clap, clap. clap
tap, tap, clap, clap, clap
now you've made a pattern

Ask your child to create a pattern on their pre-drawn sheet. Encourage your child to chant the pattern before beginning and as they go along. Their patterns could include shapes of different colours and sizes. (See example). You may wish to explore pattern further and make some patterns with other items e.g. pasta, chopped fruit and vegetables.



Activity 2 -



Look at the picture shared in today's video (see above). Discuss the different patterns you can see. Q What do you notice about the trees? (dark green triangle, light green triangle, dark green triangle) Ask your child to draw their own picture and include some wonderful patterns.

Wednesday - Finding 3D shapes in the environment

For today's learning you will need:

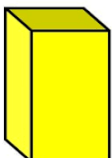
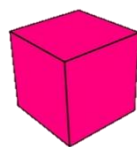
- Pencil
- 3D shape sheet (see below)
- Real life object to represent a cone, cube, cuboid and sphere.

Please follow link: <https://www.thenational.academy/reception/maths/finding-3d-shapes-in-the-environment-reception-wk6-3>

Activity 1-

Go on a 3D shape hunt in your home or look for shapes on your daily walk. What 3D shapes can you find? Using the sheet below ask your child to draw the things that they find in the correct column and write a label, e.g. a dice would be drawn in the cube column. See how many different objects you can find for each 3D shape. (Ideas for some real life objects can be found below)

3D shape record sheet

Cone 	Cuboid 	Sphere 	Cube 

Ideas for real life 3D shape hunt



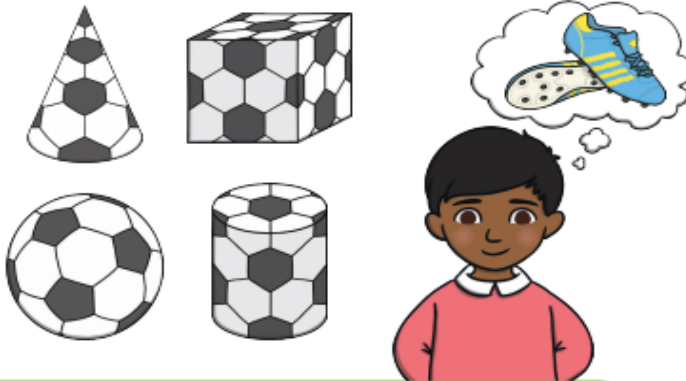
Activity 2-

Listen to 3D shape song - <https://www.youtube.com/watch?v=guNdJ5MtX1A>

Find some real 3D objects to represent the shapes in the song (cube, cuboid, sphere and a cone). Ask your child to discuss the shapes using the following questions as prompts .What is this shape called? What can you tell me about the shape? How many faces does this shape have?

Using the cards below complete the challenges with your child.

3D Shapes



Which shapes are best?

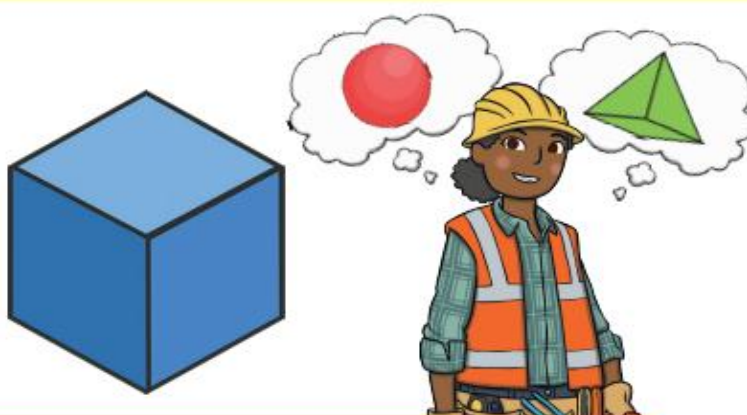
Sid has lost his ball and needs a new one.

Look at the shapes on the table.

Which shapes would make a good ball? Which ones would not?

Can you say why?

3D Shapes



Which shapes are best?

Ava is building a house. Can you find a cube and copy her house so far?

Now, Ava needs a roof. Should she use a sphere or a pyramid?

Try them both and decide which shape is best. Why is this?



Which shapes are best?

Ben wants to build this tower.

Will it be a good tower? Can you copy it and see?

Can you build a better tower? Which shapes are best to use? Why is this?

Thursday - Describing 3D Shapes

For today's learning you will need:

- Real life 3D shapes - tin, ice cream cone, cereal box, ball, round piece of fruit or vegetable.
- Fact file sheet

Please follow link: [Please follow link: https://www.thenational.academy/reception/maths/describing-3d-shapes-reception-wk6-4#slide-2](https://www.thenational.academy/reception/maths/describing-3d-shapes-reception-wk6-4#slide-2)

Activity 1-

Using the objects you have collected ask your child to choose two shapes. Discuss what is the same and what is different. Use the star words below to help you with language to describe the properties of 3D shapes. Ask your child what type of face the shape has - is it a curved face or a flat face? Does your shape have vertices (corners)? Do both of the shapes have a flat face?

After describing and comparing the shapes play "Who Am I?" - Hide the shapes in a bag or behind a cushion etc. Adult to model describing one of the shapes using the star words below. Ask your child to guess which shape is being described. Let your child have a go - can they describe a shape to you? If they are finding this tricky ask your child to tell you what real life objects are this particular shape.

Star words

Curved edge, straight edge, curved face, flat face, vertex, vertices, same, different, face.

Activity 2 – Ask your child to choose one of the real life objects that represent a 3D shape (cone, sphere, cuboid and cube). Using the fact file below ask your child to draw the shape they have chosen and complete the fact file. Continue with different shapes.

Name of 3D shape

How many faces? _____

Does your shape have a flat face or curved face

How many vertices?

What real life objects are this shape?

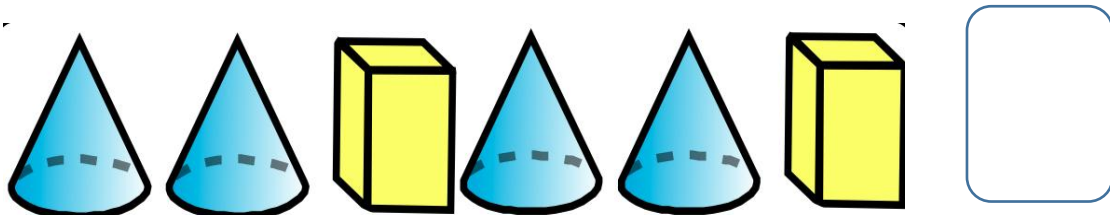
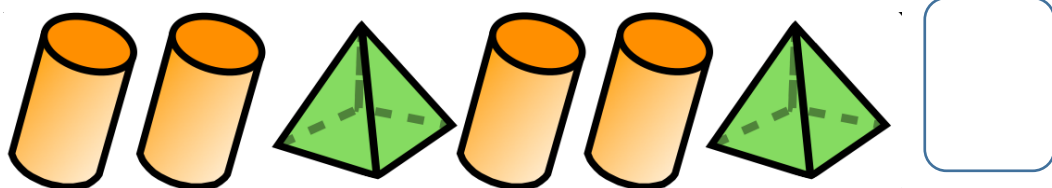
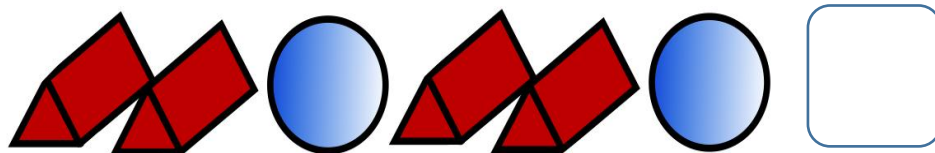
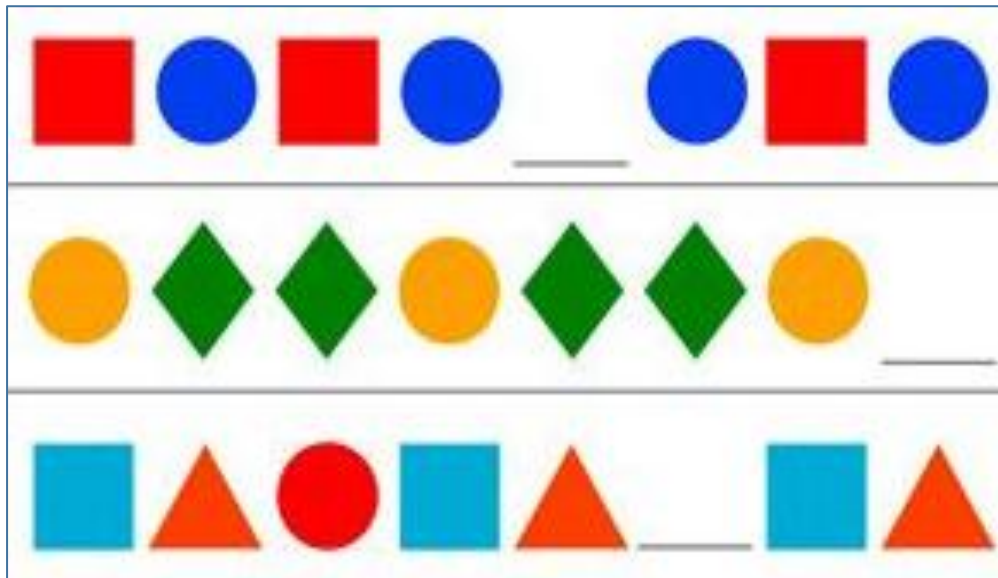
You could recreate the fact file using this example or create your own.

Friday – Revision and Practise

Please follow link: <https://www.thenational.academy/reception/maths/revision-and-practise-reception-wk6-5#slide-2>

Activity 1:

Look at the following shape patterns. Ask your child which shape is missing? Or which shape is needed to continue the pattern? Encourage your child to use 2D and 3D shape names



Activity 2 –

Play interactive 3D shape games – ask your child to sort the 2D and 3D shapes, name the shapes and discuss their properties.

Sort the 2d and 3d shapes – <https://www.education.com/game/2d-3d-shapes/>

Find the different 3D shapes – <https://www.education.com/game/3d-shapes-ice-cream-attack/>

Play dinosaur crunch – eat the shapes based on their properties <https://www.education.com/game/dino-crunch-2d-3d-shapes/>