



Year Reception Maths Distance Teaching and Learning

Week beginning: 04.05.20

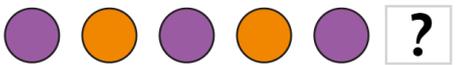
Lesson 1		
Learning Intention: WALT Recognise different 2d shapes	Key Vocabulary: 2d flat shape length Square triangle Rectangle edges Circle corners	What you will need: A computer, tablet or phone Paper + Pencil Video: Maths Lesson 1
Starter		
Play the 2d shape monsters game matching the correct 2D shape with the shape monster, the monster will then say the name of the shape they've eaten. https://www.topmarks.co.uk/early-years/shape-monsters		
Main Teaching		
Discuss 2d shapes, have a look at the attached shape mat to support you. Sing a 2d shape song. https://youtu.be/OEbRDtCAFdU What 2d shapes did you see in the song. What can you say about the different shapes? Use these questions to support discussion: Are 2d shapes fat or flat shapes? How many edges does a ___ have? How many corners? Are all the edges the same length? What shapes can you see where you are right now? Go on a 2d shape hunt around your house. How many 2d shapes can you find either in your house/garden or maybe have a shape hunt when you go out for a walk. How will you record these shapes? - talk about them and recall. - take photographs - draw in a notepad as you go		
Independent Tasks		
Challenge 1		
To spot and name 5 different shapes		
Challenge 2		
Talk about how many edges and corners each shape has		
Challenge 3		
Record your work		
Challenge X		
Look carefully about the similarities and differences between each shape e.g. a square has four corners and four edges the same as a rectangle. The rectangles has two edges that are shorter and two that are longer. A square has four equal edges.		
Review		
Using the geoboard on topmarks create and explore the 2d shapes you have found today and discuss each one. https://www.mathlearningcenter.org/resources/apps/geoboard		



Lesson 2		
Learning Intention: WALT Match the 2d shape to its name	Key Vocabulary: 2d flat shape length Square triangle Rectangle edges Circle corners Pentagon hexagon Heptagon octagon	What you will need: A computer, tablet or phone Paper + Pencil Video: Maths Lesson 1
Starter		
Practise naming all the 2d shapes in the shape song and talking about the properties of each shape. e.g. I'm a circle i go round and round. A circle has one curved edge. I am a triangle I have 3 sides, https://www.youtube.com/watch?v=pfRuLS-Vnjs		
Main Teaching		
Recap session 1 learning. Discuss the shapes that you found on the shape hunt. Discuss the properties of the different shapes: Straight edges or curved edges? How many edges and corners? What is the same about a square & rectangle? How are they different?		
Task: Match the shape to the correct name. Encourage your child to recognise the initial sound to identify which name matches the correct picture of each shape.		
Independent Tasks		
Challenge 1		
Confidently match a square, triangle, rectangle and circle shape, talking about each simply		
Challenge 2		
+ a pentagon (5), hexagon (6), heptagon (7), octagon (8)		
Challenge 3		
To confidently talk about the properties of each shape matching each to name and properties		
Challenge X		
To make a picture out of 2d shapes naming all the shapes you've used and talking about the properties of each one.		
Review		
https://www.ictgames.com/mobilePage/shiftingShapes/index.html <ol style="list-style-type: none"> 1. Drag the moving torch around the shape to reveal its features. 2. Move the slider to increase the size of the torch. 3. Press on the eye to reveal all. 4. You can swap between 2D and 3D shapes. 		



Lesson 3		
Learning Intention: WALT Recognise and spot different 3d shapes	Key Vocabulary: Cylinder Pyramid Sphere Cube Cuboid Cone	What you will need: A computer, tablet or phone Paper + Pencil Numberline Video Lesson 3
Starter		
Sing the 3d shape song and familiarise yourself with the names of all the 3d shapes and what they look like. example song... https://www.youtube.com/watch?v=2cg-Uc556-Q		
Main Teaching		
<p>Discuss 3d shapes, have a look at the attached shape mat to support you. What 3d shapes did you see in the song. What can you say about the different shapes? Have a look at home for some examples e.g. baked beans can = cylinder, cereal box = cuboid, some tissue boxes might be cuboids or cubes, terry's chocolate orange = cube</p> <p>Use these questions to support discussion: Are 3d shapes fat or flat shapes? How many edges does a ___ have? How many corners? Are all the edges the same length? What shapes can you see where you are right now? Can you point to a flat part of a 3d shape? We call this a face. It is looking at you! Can you see the flat 2d shapes in the faces of the different 3d shapes?</p> <p>Go on a 3d shape hunt around your house. How many 3d shapes can you find either in your house/garden or maybe have a shape hunt when you go out for a walk. How will you record these shapes? - talk about them and recall. - take photographs - draw in a notepad as you go.</p>		
Independent Tasks		
Challenge 1		
Say the names of different 3d shapes		
Challenge 2		
Explore the different properties of 3d shapes - curved edge, face, fat shape		
Challenge 3		
Make links to the 2d shapes you can see in the faces of 3d shapes		
Challenge X		
Use some empty cardboard boxes and packaging to make a model. Maybe you could you make a model house, a car, a castle or a robot. Talk about the different shapes you have used. Which shapes are easiest to build with? Why?		
Review		
Practise naming the 2d and 3d shapes on the shape mats		

Lesson 4		
Learning Intention: WALT make a shape repeating pattern	Key Vocabulary: Pattern chant Shape continue 3d fat 2d flat	What you will need: A computer, tablet or phone Paper + Pencil
Starter		
Recap 2d and 3d shapes using the shape word mat and practise singing songs, recap your collection of shape objects.		
Main Teaching		
Discuss patterns: Can you make a pattern with the fruit from the fruit bowl, or the biscuits in the biscuit tin? Try this one: 'banana, banana, grape, grape' or 'apple, pear, orange, apple, pear, orange'. How many more can you make? Choose 2 of your favourite coloured pens. Draw a circle with one colour and a triangle with another, then another circle with the same first colour and another triangle with the same second colour. Continue the pattern. Can you make a pattern with the 2 the same, then another two the same, e.g. 'red, red, blue, blue'?		
Independent Tasks		
Challenge 1		
Create a 2 part repeating shape pattern e.g. 		
Challenge 2		
To create a pattern and discuss the pattern, circle, triangle, circle, triangle. They are both 2d shapes. A circle has a round edge but a triangle has straight edges.		
Challenge 3		
To create a 3 part repeating pattern e.g. 		
Challenge X		
To use a range of shapes, 2d and 3d to make up your own and continue patterns.		
Review		
Play the shape pattern game on.. https://www.topmarks.co.uk/ordering-and-sequencing/shape-patterns		
Level 1 -  name the shape - circle - discuss the properties of a circle. What pattern can you see? A colour pattern. What colour will come next?		
Level 2 - complete the pattern example...  name the shapes, square-square-pentagon as a chant. Remember the correct name of each of the shapes and refer back to the shape word mat if needed as a support.		
Level 3 - To help you to work out a more complicated pattern say the shapes out loud as a chant pentagon, pentagon, star, oval // pentagon, pentagon, <u>star</u> , oval.		
		