

Warm-Ups

2D & 3D Shapes

2D Shapes

The Mystery Shape

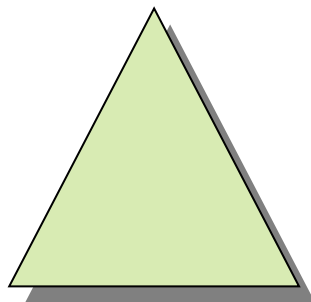
Students are given 4 clues describing the mystery shape.

Eg: I have 3 straight sides.

I have 3 points

A roof is sometimes this shape.

The first three letters of my name are 'tri'



2D Shapes

What Am I?

I drew a shape with 4 sides. What might my shape look like?

It is important that the students see all the 4 sided shapes that are produced.



2D Shapes

About My Shape

Students are shown a 2D shape and asked to provide three features about it.

Eg: Triangle

I have 3 sides

I have 3 corners

Part of my name 'tri' means 3

I have 3 pointy ends

2D Shapes

Which Shape Am I?

Students work with a partner. One person turns so their back is facing their partner. The child facing the back draws a 2D shape with their finger on their partner's back.

The partner needs to guess the shape.

After 3 turns pairs swap places.



2D Shapes

Shape Hunt

Show the students a 2D shape.
Name it and list a few of its features.
Now have the children go on a 'Shape Hunt' in the room/outside to locate the shape.

Students are asked

Where was it?
Where did you find it?
What does it do?



***Discuss that ALL shapes in our environment have a function.**

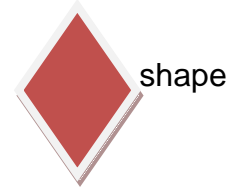
2D Shapes

Feel the Shape

Place a number of 2D shapes in a bag.

Have a student come out the front They have to have their back to the teacher and their hands behind their back. The teacher pulls out a shape and shows the class. The teacher then places the shape in the student's hands.

They child has to tell the class 3 features of the they can feel and then name the shape.



2D Shapes

Hear My Shape

Students are given paper and pencil. They are asked to draw lines matching the sound they hear and to follow the direction at the end of each sound.

Eg: da, da, da, da, da Go down

da, da, da, da, da Turn left

da, da, da, da, da Go up



What did you hear?

2D Shapes

Quiz Time

How many sides does a square have?

How many points on a triangle?

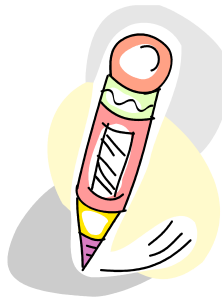
How many straight lines does a rectangle have?

How many corners in a circle?



What did I draw?

I drew a shape with 4 sides. What might my shape look like?
(It is important that students see all the 4 sided shapes that other students have produced).



What is in my hand? (2D shapes)

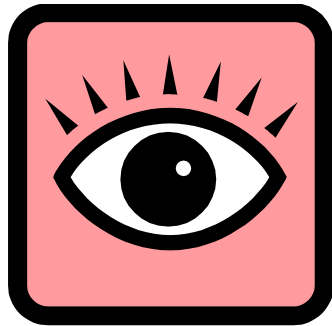
In my hand I have an object that has no edges
What might it be?
Check for a variety of shapes.



I Spy (2D shapes)

What objects in this room could pass through this opening.
(Relate this to a letter box) Use a box cut an opening 20cm by 8cm.

Note how well children visualise before selecting an object.



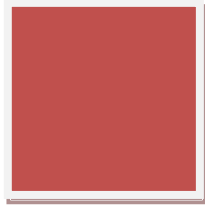
I Spy (3D shapes)

I can see a boxed shape object in this room.
What object can I see?



Draw me

I made a picture using only circles and squares.
What might my picture look like?



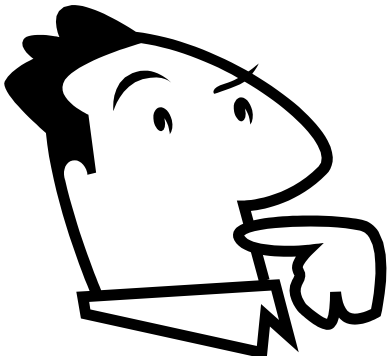
What is in my hand? (3D shapes)

In my hand I have an object that is able to roll.
What might it be?
Check for a variety of shapes.



I am thinking of a shape

Give 3 clues.
I have 4 sides.
I have 4 corners.
In the classroom environment I am the shape of a book.



Shapes hiding in our room

Children are given 1 minute to locate and write down as many 2D or 3D shapes they can.



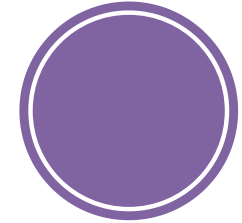
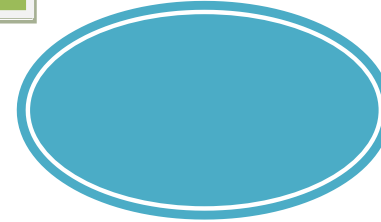
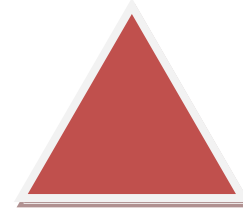
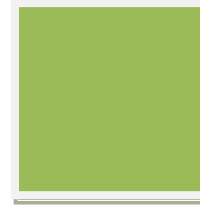
What Am I?

I drew a shape with four sides but none of the four sides were the same length.



Facts

Show students a shape and have them write 4 facts about that shape.



Shape Hunt

Show students a shape and ask them to locate it in their environment.

Ask:

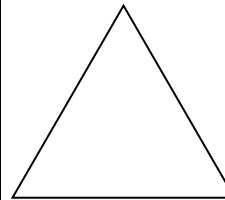
Where was it?

Where did you find it?

What does it do? (Every shape has a function).

Tell Me 5 Things About...

Show students a shape and ask them to tell you 5 things about that shape.



It is a triangle
It has 3 sides
It has 3 corners
The word 'tri' means 3
It is a 2D shape

It's In the Bag

In a bag (pillow case) place a 2D or 3D shape.
A student is asked to reach into the bag and feel the shape.
Before they guess, the student must describe what they feel.

It has 4 straight sides
The sides are not all the same length.



Hear the Shape

Have a student come out to the front of the classroom with their back to the board. Tell the student that they have magical powers and that you are going to prove it.

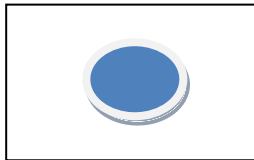
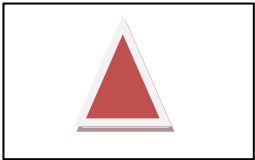
You will draw the shape using sound (noise) so the student can actually hear it being drawn.

This is best done with a chalk board. If a chalk board is not available make noises as you draw, signifying the length of each line.



Shape Heads

Select 3 students to come out the front. Each student wears a headband with a picture of a shape on it that they cannot see. The students can ask the class questions about their shape. The class can only answer YES or NO to the questions.



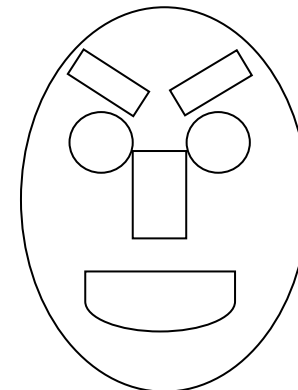
Make Me A ...

Using a variety of 2D shapes students to create a face.

Using a variety of 2D shapes students are asked to create a house.

Using a variety of 2D shapes students are asked to create a flower.

Using a variety of 2D shapes students are asked to create an animal.



3D Shapes

Shape Hunt

Show the students a 3D shape.

Name it and list a few of its features.

Now have the children go on a 'Shape Hunt' in the room/outside to locate the shape.

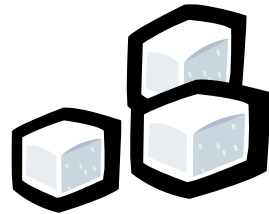
Students are asked

Where was it?

Where did you find it?

What does it do?

***Discuss that ALL shapes in our environment have a function.**



3D Shapes

Quiz Time

How many faces does a cube have?

How many points on a triangular prism?

How many straight lines does a cube have?

How many corners in a sphere?



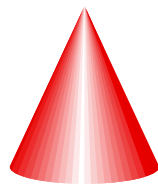
3D Shapes

Feel the Shape

Place a number of 3D shapes in a bag.

Have a student come out the front They have to have their back to the teacher and their hands behind their back. The teacher pulls out a shape and shows the class. The teacher then places the shape in the student's hands.

They child has to tell the class 3 features of the shape they can feel and then name the shape.



3D Shapes

About My 3D Shape

Students are shown a 3D shape and asked to provide **three** of its features.

Eg: Sphere

Smooth

No corners

No lines

