

Investigate! *classroom activity*

Key Stage: 1 and 2

Materials: Pencil/pen, something to lean on, KS1 workframes (supplied), KS1 teaching aid illustrations (supplied), KS2 worksheet (supplied)

Activity summary:

- To provide an activity where pupils investigate and become more aware of their classroom environment
- To allow pupils to use their findings to compile and handle data
- To identify the properties of familiar objects and spaces
- To initiate a range of responses within an investigation
- Links can be made with National Curriculum schemes of work:
 - Art: A sense of place (Unit 6C)
 - Geography: Around our school – the local area How and where do we spend our time? (Units 1, 19)
 - Science: Characteristics of and using materials (Unit 1C, 3C)
- Extension tasks:
 - Numeracy & IT: Handling data - tally, assemble and analyse the data using graphs
 - Art: Draw the features that make up the environment Consider alternative environments and their features: bedroom, shop, place of worship
 - D&T: make a scale model/plan of the environment

KS1 Lesson Plan: Investigate! the classroom

This activity has been designed for the classroom

Introduce the classroom

1. The classroom is a familiar environment. Identify its main features: doors, walls, windows, furniture, objects

Introduce the worksheet

2. Relate the classroom features to colour & shape

Relate the classroom features to materials & shape

Demonstrate how these findings can be recorded on the workframes using words and/or drawings

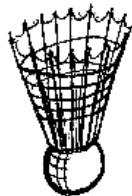
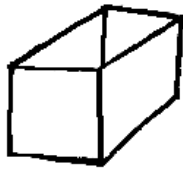
The activity

3. Ask pupils to look and record their findings on the workframes
Refer to illustrations of sample finding to aid learning
4. Evaluate findings. Tally and assemble data into a graph

Recommendations:

- Use the teaching aid illustrations for pupils needing learning support
- Ask pupils to draw as well as write their response
- Colour in drawn responses

KS1 Investigate! Teaching Aid



KS2 Lesson Plan: Investigate! the classroom or school

This activity can be restricted to either the classroom, the hall or applied to the whole school building

Introduce the classroom/school

1. The classroom/hall/school is a familiar environment.
Identify its main features: doors, walls, windows, objects
Relate features to colour and shape: the rectangular red door
Identify its uses: aid learning, eating lunch, enclose a space

Introduce the worksheet

2. Demonstrate how these findings can be recorded on the worksheet

The activity

3. Ask pupils to look for and record their findings on the worksheet, including as much detail as they can
4. Evaluate findings. Tally and assemble data into a graph

Recommendations:

- Restrict activity to a specific area and within a timeframe

KS2 Investigate! Worksheet

What shapes can you see? List as many different ones you can.

What colours can you see? List as many different ones you can.

How many apertures can you count? List them all.

What types of material is this environment made of? List them all.

Identify something rough, smooth, soft, hard, opaque and transparent? List them all.

What is this environment used for? List all the uses.

Which is your favourite part of this environment? Describe why.

What would you change about this environment to improve it? Describe your ideas.

Have you noticed anything for the first time while doing this investigation?

KS1 Investigate! Workframe 1 Colours and Shapes

Name:

	sphere	circle	cube	square	cone	triangle	cuboid	rectangle
red								
blue								
green								
yellow								

KS1 Investigate! Workframe 2 Colours and Materials

Name:

	hard	smooth	soft	rough	transparent	opaque
red						
blue						
green						
yellow						