



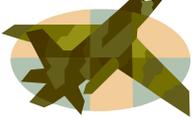
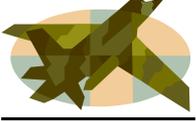
Y3&4 – Maths using Data Handling with links to Sustainable Travel - Lesson 1

Objectives:	<ul style="list-style-type: none"> To answer questions from given data including those of inference – why might To interpret and construct pictograms
Success Criteria:	<ul style="list-style-type: none"> Clear presentation Accurate counting Systematic gathering
<p>Teacher Input with key questions:</p> <p>Why do we collect data? Why is it important? Why does it change?</p> <p>Using Favourite vehicles pictogram (see p2) ask quick fire questions – What do we notice about the scale? Why are scales important? Extend to include doubling – see p.3.</p> <p>Why might this data be useful? Who could use it? Is there is anything important missing? When might it have been collected? Would the data be different at a different time of year or if a different group of people were asked? Model how to create a pictogram on the board – emphasise the need for it to be clear.</p> <p>Explain that the context today is that the head teacher wants to buy some books about vehicles and needs to know which ones to buy. How will this data help her?</p>	<p>LA 2a – 3c</p> <p>As a group, use vehicle images to create a group pictogram of favourite vehicles. Then create individual ones and record observations in books. LSA</p> <p>MA 3C – 3B</p> <p>Independently, collect data and then, using squared paper, create a pictogram of favourite vehicles. Try to survey as many children as possible – how will we know who has been surveyed? Use initials? Work round a group at a time?</p> <p>HA 3b – 4c</p> <p>CT – give extra input on 1 picture representing 2 answers – what if we have an odd answer – 7 or 11? How will we draw half a vehicle? What are the advantages of using this method? How will we know who has been surveyed? Use initials? Work round a group at a time? Collect data then on squared paper create a pictogram of favourite vehicles.</p> <p>Plenary</p> <p>How can we gather all our results together?</p> <p>In groups of 3 children to find out the three favourite vehicles and then as a class record on a pictogram on IWB – using the scale of 1:2</p> <p>Does it look accurate? If not why not?</p> <p>What will the head teacher need to buy?</p>

Maths



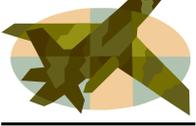
Favourite vehicles (1)

7					
6					
5					
4					
3					
2					
1					
					

Maths



Favourite vehicles (2)
 Note: each picture represents a count of two

14					
12					
10					
8					
6					
4					
2	