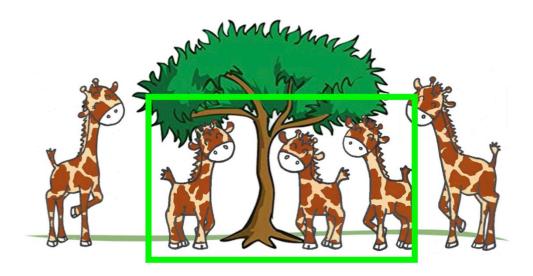
Evolution – Inheritance



you can fi brown par Ask an ad	will need for this lesson: glue, string and a variety of materials nd around the house like a paper plate, cardboard, foil, per, baking paper. ult to help you find these items. need a pen, a pencil and if you have it, access to a computer, tablet or iPad.
	LESSON STARTER
is the same	hat living things have offspring. The offspring of any living thing species as its parent and has many similar characteristics s) but is not identical.
Look at the	picture of the giraffes below.
	© EMPIRIBOX CRD129 ■
One chara	icteristic of giraffes is that they have long necks. Why do you



You can see the offspring (children) of the parent giraffes in the picture below.



iave ine or	13011119 901 11	ne same ei	Taracronsiic	cs as their pare	71113 +
are they ide	entical (exac	tly the sam	ne) as their p	oarents?	



When you've finished, watch the video to see whether you were right!



The Investigation

We are going to make our own species of bug! We will make their offspring and choose the characteristics we think they will share with their parents.





The Investigation						
In the space below sketch the bugs that you created.						

WORKING SCIENTIFICALLY

Given the nature of our investigation our working scientifically focus in this lesson is that of **EVALUATION**. It does not lend itself to the planning nor presenting or analysis of data.



EVALUATION

In the investigation, you created the parents and offspring of a species of insect. Write the detail of each parent and offspring in the table below.

Analyse each of the offspring and work out which parent's characteristic is the most dominant for body shape, number of legs, fur or skin colour, number of antennae and number of eyes.

	Body shape	Number of legs	Skin/fur colour	Antennae	Number of eyes
Mother					
Father					
Offspring 1					
Offspring 2					
Offspring 3					
Dominant parent's characteristic Mother, Father or None					



EVALUATION continued

Do the offspring look like each other?
Do the offspring look more like one parent than the other?
Is there a dominant (a particularly strong) characteristic that each offspring share?
If so, which parent do they get that from?





The science behind the investigation

Parents pass on some of their own characteristics (features) to their offspring (children). Offspring, although they look similar to their parents, are not identical.

Lions have different characteristics – the female looks different to the male. The lion cub will have inherited some characteristics from its mother and some from its father.







Look at the pictures of the Pug, Beagle and Puggle below. The puggle is a cross between the Pug and the Beagle. Which characteristics has the Puggle received from the Pug on one hand and the Beagle on the other.





Your challenge!

Look at the pictures of the Mr Men and Little Miss characters below.



Below are the offspring of one of the Mr Men and Little Miss characters. Can you work out which Mr Men is the father and which Little Miss is the mother of each of the children?

Mother	 Mother	
Father	Father	
£	Jes Services	
Mother	 Mother	-
Father	 Father	_



Can you work out which features belong to the mother and the father?				

What was your score?



