

Science – Year 3/4A Spring 1

Living Things and their Habitats

A World of Living Things

Session 3

Resource Pack

Session 3 Teachers' Notes

Bug Hunt

During this session you will take the children on a hunt for invertebrates in the local environment. It is a good idea to make a check of suitable habitats ahead of the lesson so you know there are locations where minibeasts can easily be found. You do not need a large space, just a few minibeast friendly features, e.g. a small pile of logs or sticks, a compost heap, some earth, logs or large stones that can be lifted, some shrubs, bushes or trees or even some long grass. If you have a pond area, you could consider pond dipping for invertebrates. If the children find amphibians (frogs, toads, newts) or fish, show interest and excitement for the find but remind the children that today we are focussing on invertebrates. If you do not have enough suitable habitats onsite, arrange for an offsite trip. Check your offsite policy to make sure you comply with it, e.g. parental permission, suitable ratios etc.

Health and Safety

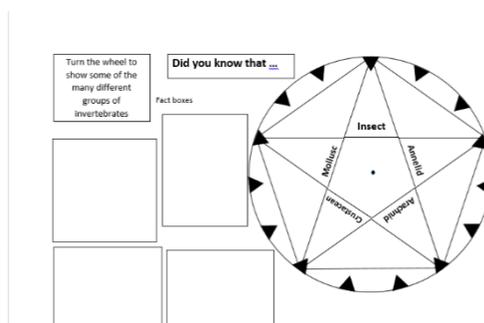
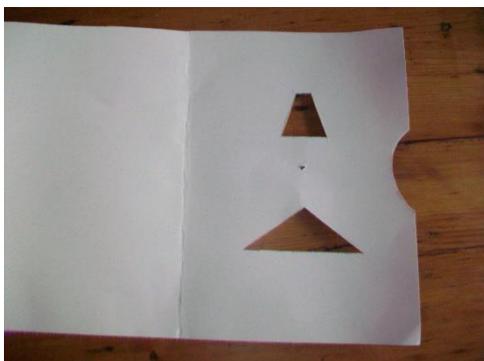
Remind the children that soil contains bacteria (micro-bugs) that can be harmful to their health. While on the bug hunt, they should keep their hands and the bug hunt equipment away from their mouths. On returning to the classroom (and later after handing creatures in the classroom) they should wash their hands thoroughly.

Taking Photographs

Taking photographs of the bug hunt and of the creatures found is a nice way for children to record their experience and their findings. You could use annotated photographs instead of/as well as drawings to illustrate the interactive invertebrate page.

Preparation of card pages ahead of the lesson

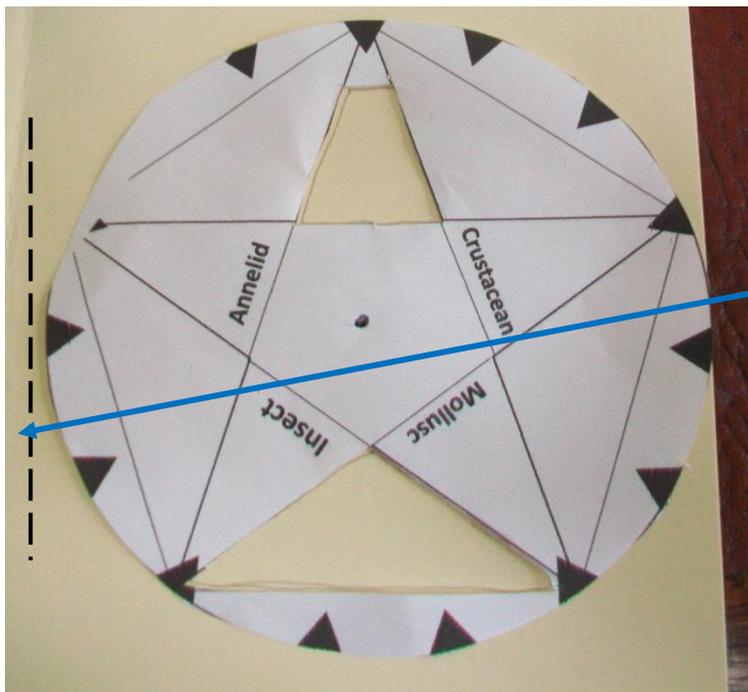
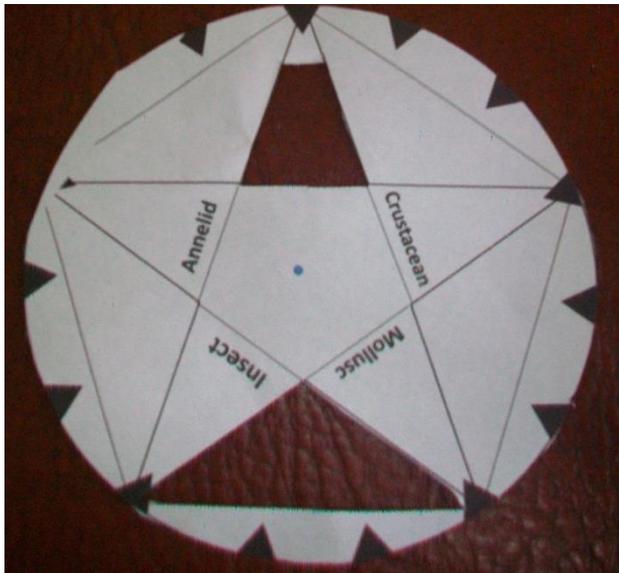
Each child will need a folded sheet of A4 card with 2 apertures cut into it, the centre dot marked and a cut away curved slice to turn the wheel. They will also need a card copy of the resource sheet.



You will need: A sheet of A4 pastel/white card per pupil, a craft knife, a pair of scissors, a ruler, a pencil, a cutting board and a template.

Make the template

1. Use a cardboard printout of the turning wheel.
2. With a craft knife and ruler (or sharp scissors), neatly cut out a window containing one of the invertebrate names. Do not cut the full triangle but slice the top off to make a trapezium shape instead.
3. Now cut out the triangle vertically beneath it.
4. Use a sharp pencil (and a blob of sticky tack behind) to make a hole through the centre dot.



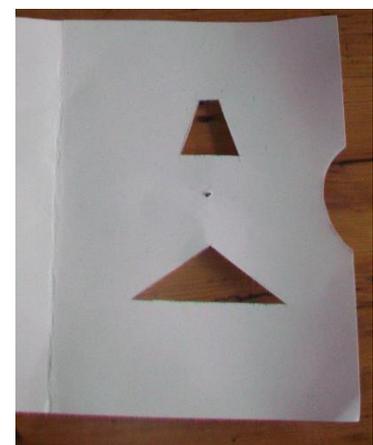
Place the template onto the right hand side of the folded page so it just reaches the edge.

Fold line

Use a pencil to mark the outline of the 2 windows and the position of the centre hole.

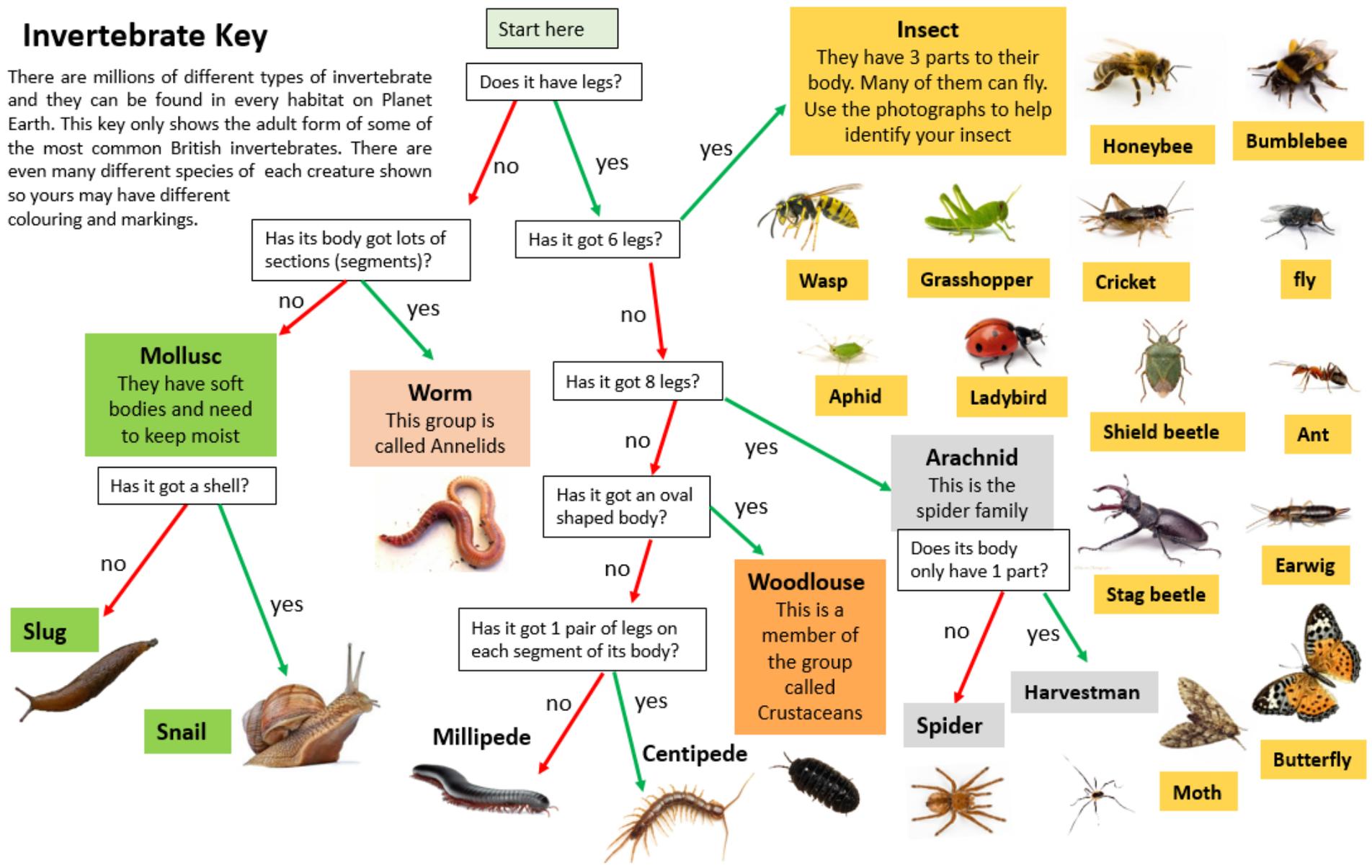
Use your craft knife and cutting board to cut away the apertures and scissors to cut out a finger curve.

If you do all the marking out first and then all the cutting, you will be surprised how quickly you can prepare a class set. The result will be neater and allow more time for the children to focus on their science skills.



Invertebrate Key

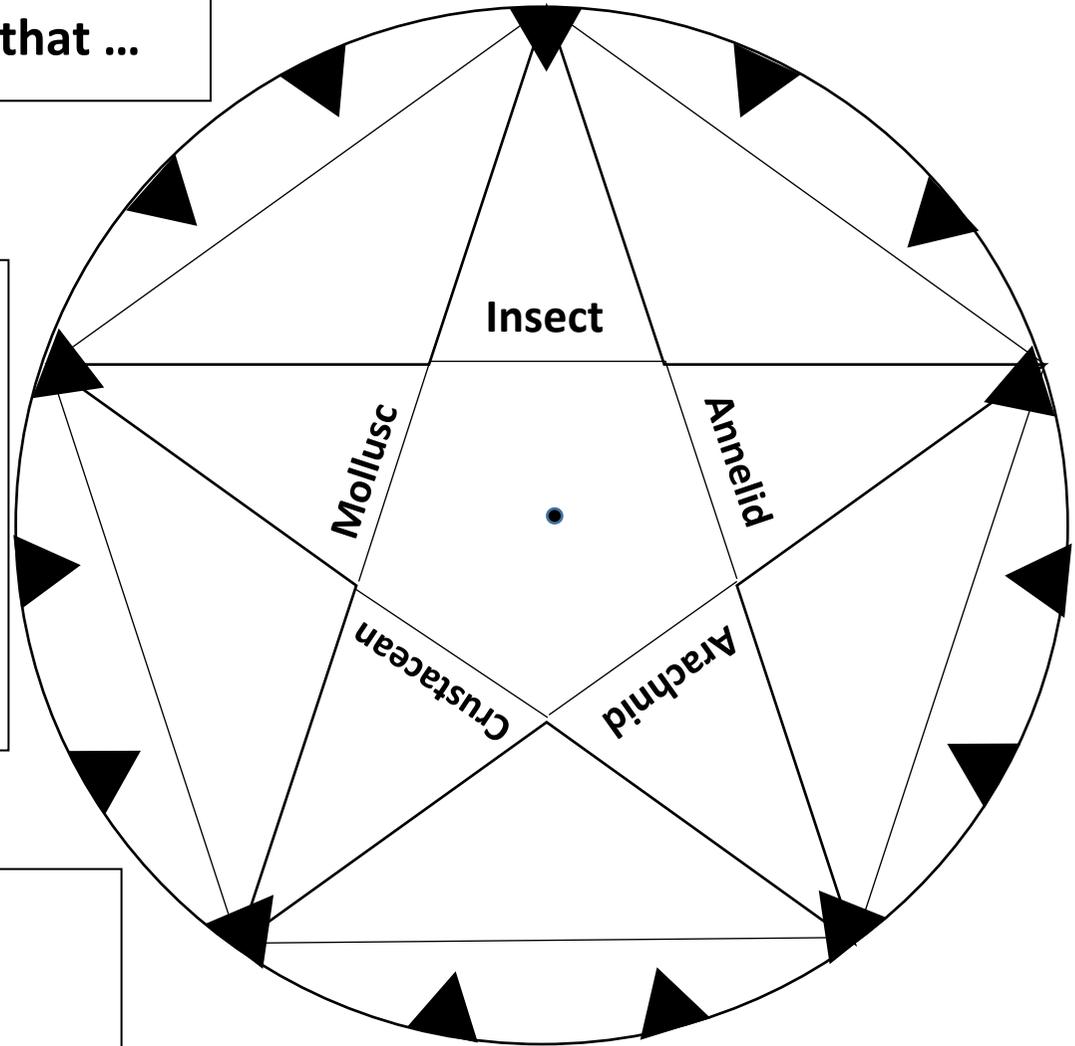
There are millions of different types of invertebrate and they can be found in every habitat on Planet Earth. This key only shows the adult form of some of the most common British invertebrates. There are even many different species of each creature shown so yours may have different colouring and markings.



Turn the wheel to show some of the many different groups of invertebrates

Did you know that ...

Fact boxes



Empty rectangular box for notes.

Empty rectangular box for notes.

Empty rectangular box for notes.

Empty rectangular box for notes.