



Scrap Paper Bugs

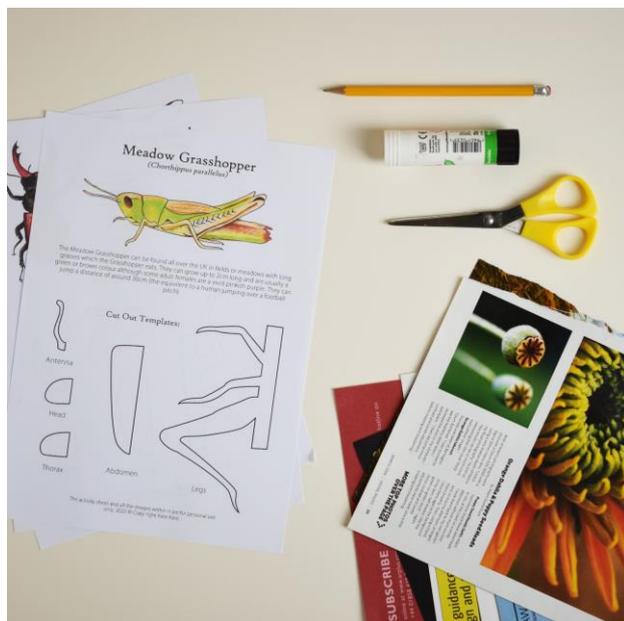
Instructions and templates to make your own 3D paper bugs from scraps at home.

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These 3D paper bugs are quick and easy to make and can be created using any paper found around the house. Children 8 years and over should be able to create these without much adult guidance. Children under 8 years old can have fun making them too but will need some adult supervision as some of the pieces are quite small and will need to be glued in a particular order.



What you will need:

Scrap paper or thin card,

Scissors,

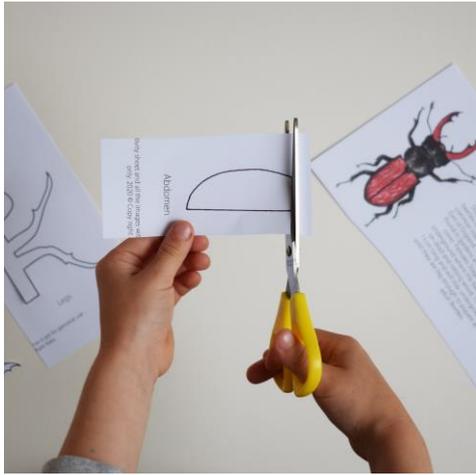
Glue stick or PVA glue,

Pencil or a pen,

A print out of the templates at the end of this booklet.

Tips and ideas:

- You can use any paper you can find, magazine pages, brown paper bags, old wrapping paper, cereal boxes, old envelopes or junk mail.
- Find the colours you want to use in the backgrounds of photographs in the magazines or adverts. Alternatively you can use plain paper and colour in the different pieces before sticking the bugs together and make them any colour or pattern you like!
- If you can, find a slightly thicker paper to make the legs from, like paper bags or a magazine cover. The insects will be able to stand much better and hold the weight of the body.
- Try playing with other materials like bubble wrap or cleaned crisp packets. Glue them to shapes you have cut out from thin card and then trim around the edges.



1. Start by cutting out the template shapes for your bug.



2. Put the shapes to one side and get the paper you will cut the bugs out of. Fold the paper in half (with the colour you want to use on the outside of the fold) making sure there is enough of the paper on both sides of the fold for your template shapes to fit.



3. Bring back your template shapes and, one by one, line the straight edge of the template up against the fold in the paper and draw around the edge of it. If you are using darker paper you may need to use a pen or draw over the line a couple of times so you can see the line easier when you take the template away.



4. Once you have drawn around all your templates it is time to cut the shapes out. Make sure the paper is still folded while you cut and follow your drawn line as closely as possible cutting with your scissors.

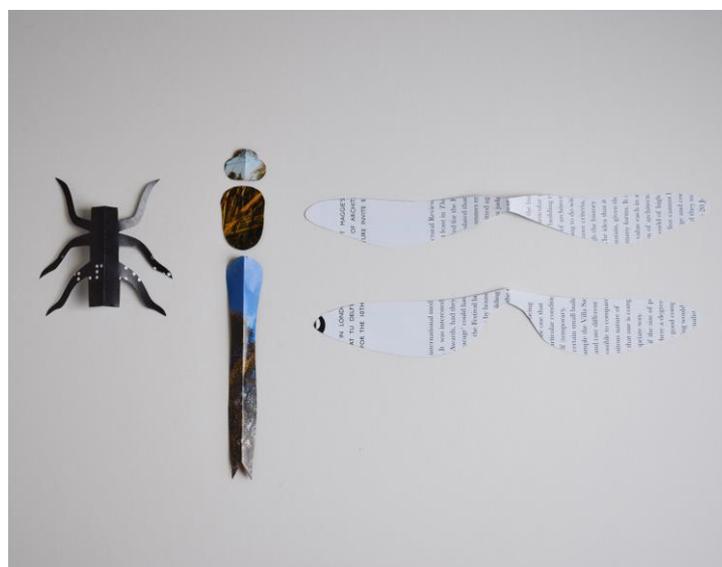
When you have all the pieces, unfold them and line them up so you can see all the different shapes like below.



Meadow Grasshopper



Stag Beetle



Dragonfly



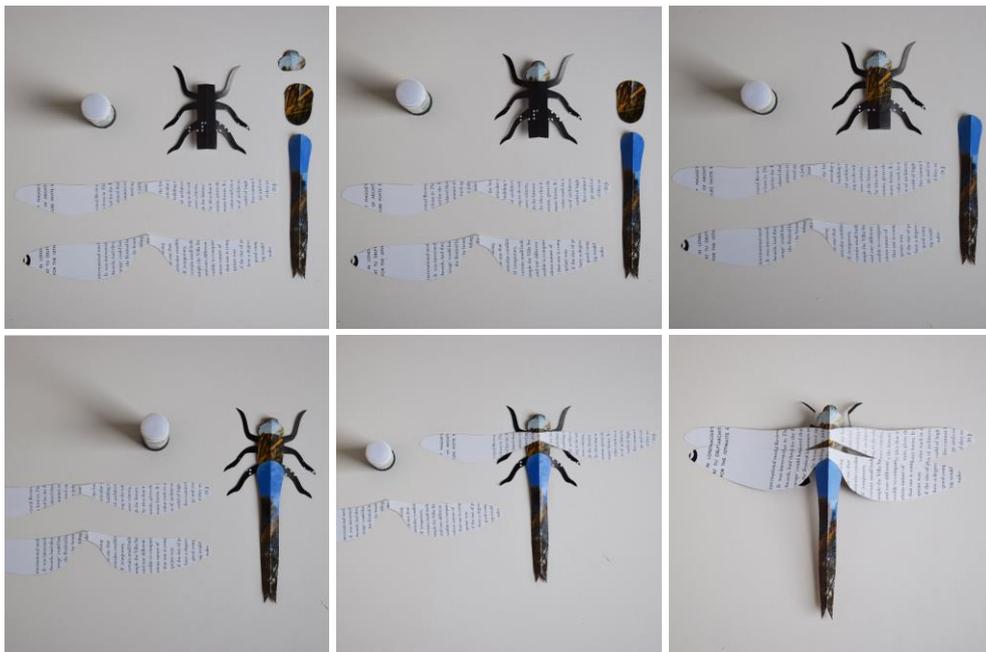
5. Starting at the head of the insects take the first piece turn it over and dab glue on the back of the fold. Turn it right way up again and line it up with the fold down the middle of the legs, sticking them together. Do this for each body part, moving down the body. The pieces should slightly overlap the previously stuck down piece.



Meadow Grasshopper. Once the body pieces have been attached to the legs, fold the Grasshopper in half and lie it flat on its side. Fold each of the legs back on themselves then fold the front 4 legs down, half way along to make the knees. Turn the Grasshopper over and do the same on the other side.



Stag Beetle. To make him extra 3D you can fold his legs down at the knees (the first bump along the legs) and up at the ankles (the next bump along the leg).



Dragonfly. The Dragonfly's wings will need to be stuck over the top of the body pieces; the front wings between the front and middle legs and the back wings between the middle and back legs. To make him extra 3D you can fold his legs down at the knees (the first bump along the legs) and up at the ankles (the next bump along the leg).

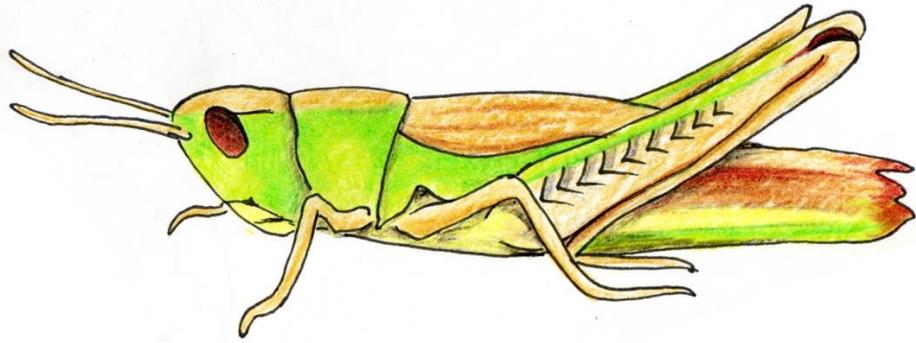
Leave your bugs to one side until they have dried then they are complete!



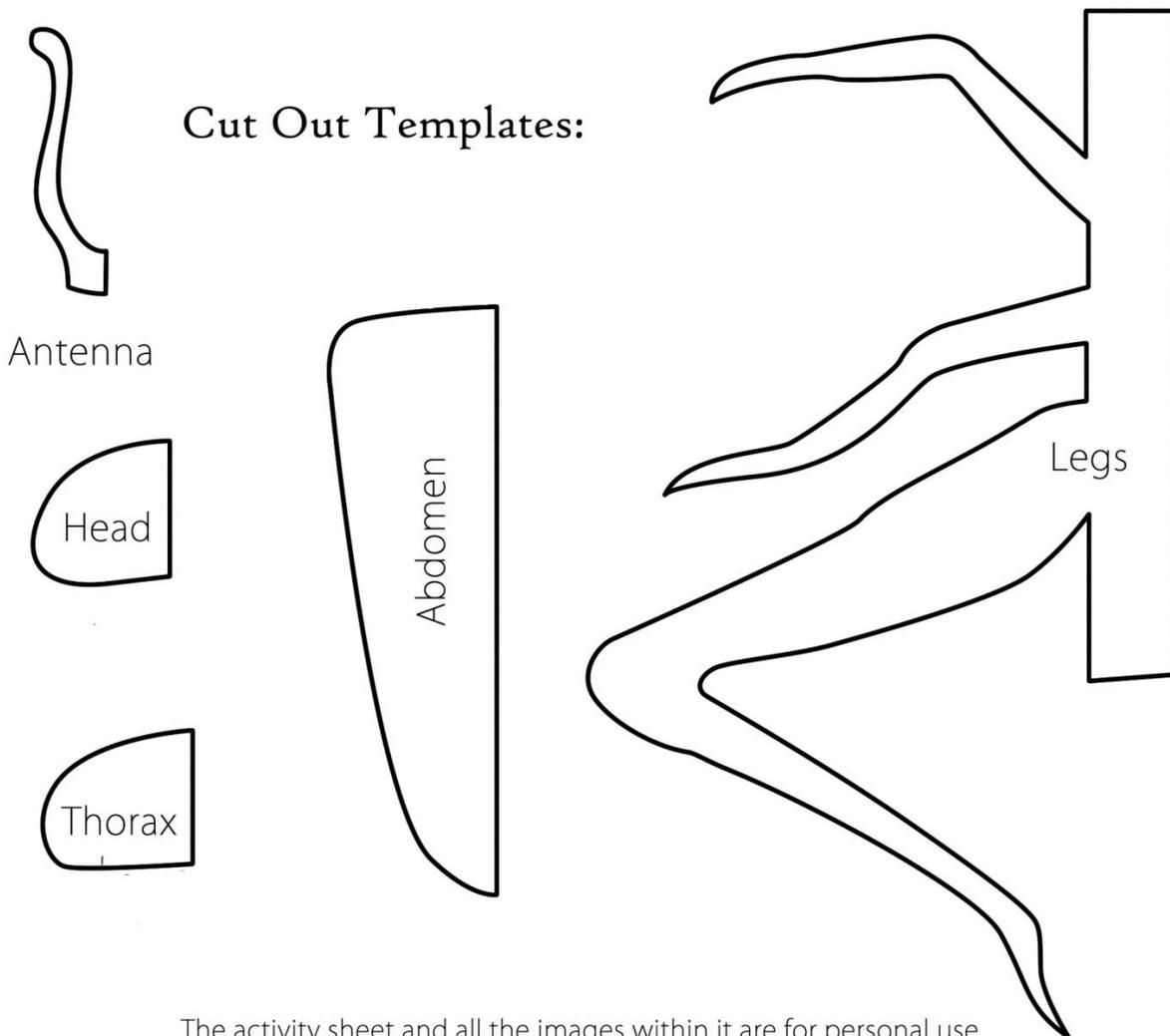
If you enjoyed making these bugs maybe you could use try making your own templates to create other bugs you have found in the garden? You could also try to mix and match the different bug parts to make your own made up insect!

Meadow Grasshopper

(*Chorthippus parallelus*)



The Meadow Grasshopper can be found all over the UK in fields or meadows with long grasses which the Grasshopper eats. They can grow up to 2cm long and are usually a green or brown colour although some adult females are a vivid pinkish purple. They can jump a distance of around 30cm (the equivalent to a human jumping over a football pitch).



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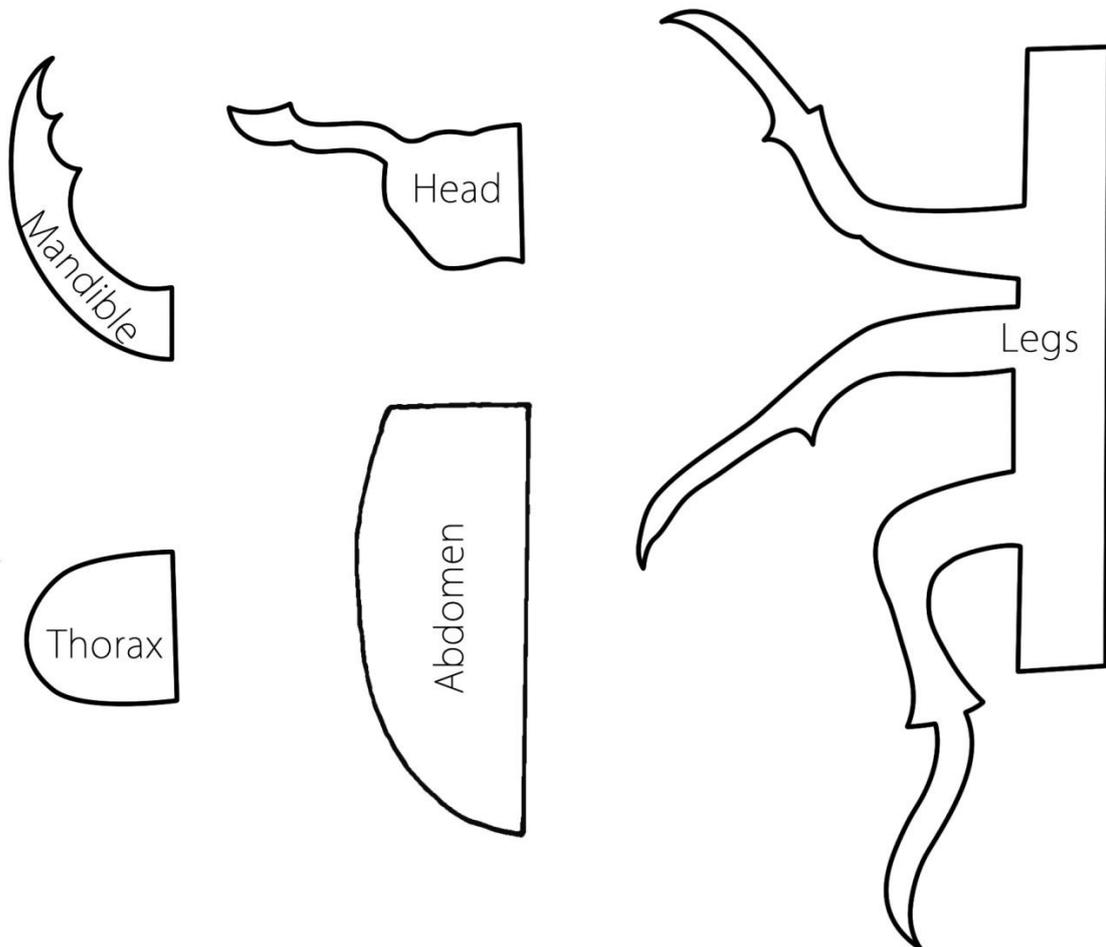


Stag Beetle

(*Lucanus cervus*)

Stag Beetles are the UK's largest beetle with adult beetles reaching up to 7.5cm long. They are not a very common insect and live mostly in the South and South East of England. They live in woodlands but can also be found in gardens and parks where there is lots of tree cover. Females Stag Beetles will lay their eggs underground where the babies, known as Grubs, feed on dead and rotting wood. The grubs can grow to 11cm long and will stay underground for 3 to 7 years until they are big enough to pupate and turn into the adult Beetles.

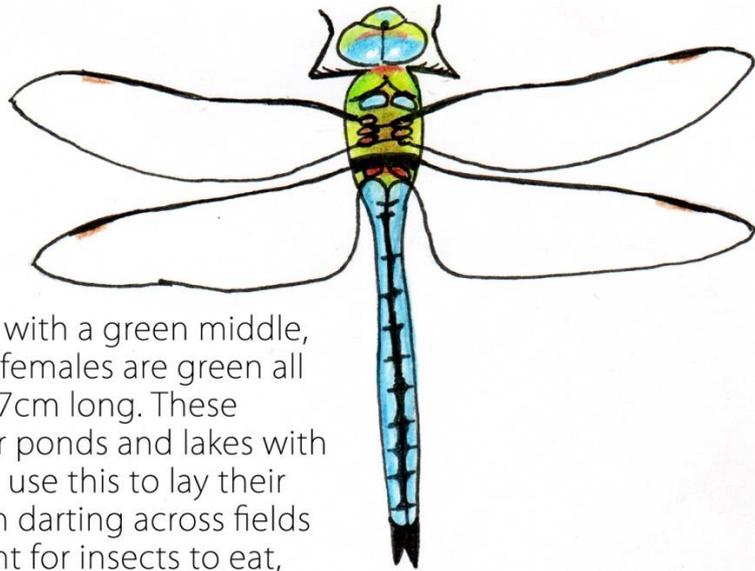
Cut Out Templates:



Emperor DragonFly

(*Anax imperator*)

Emperor Dragonflies are a large Dragonfly found in the UK. The males are bright blue with a green middle, known as the thorax, and the females are green all over. They can grow to up to 7cm long. These dragonflies can be found near ponds and lakes with lots of weed in as the females use this to lay their eggs in. They can also be seen darting across fields and grassland where they hunt for insects to eat, including butterflies and other smaller dragonflies.



Cut Out Templates:

