

# STEM Showdown

An Adelaide University, School of Education  
STEMpire program

## Don't Bug Me

**Name:** \_\_\_\_\_

*The STEM Showdown is a series of STEM challenges to solve by the end of the season. You can complete the tasks individually or in small groups (up to 3 people). Make sure you write all the names of the people in your group above. The student with the most tasks completed over the season will be crowned the Adelaide University STEM Showdown Champion. Good Luck.*

### Don't bug me

Your class is on a field trip to try and find a new species. You will need to collect animal specimens (one at a time) and identify them using the charts provided.

If the animal is not on the chart, or photographed in the identification sheets, you have found a new species. Name your discovery and draw a labelled scientific drawing of it.

### Your Task

- Choose an animal and find the common name using the classification table
- Find the scientific name using the photo chart.
- Identify other animals common and scientific names. If you find an animal that is not on the lists you have found a new species.
- Once you have a new species identified give it a scientific name and draw and annotate (label) your new discovery.

### Scientific names have 2 parts

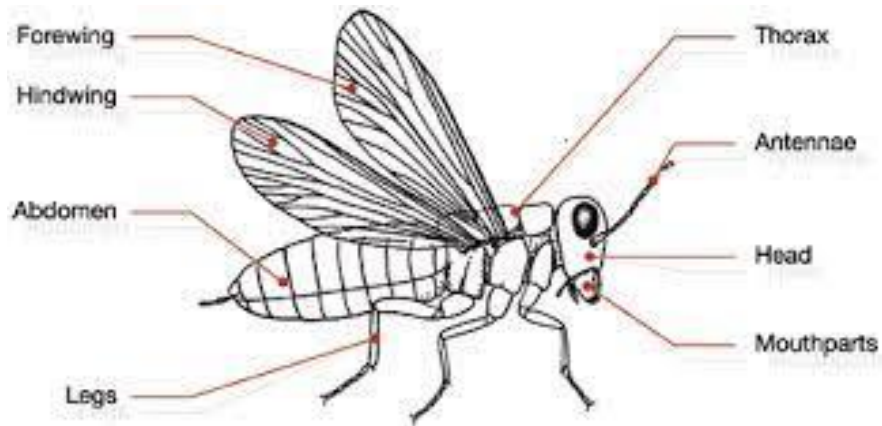
The first part is the group it belongs to and the second part is the species within that group. This naming style prevents potential confusion around shared or similar common names.

For example:

Cat: *Felis catus*

Be creative with your name for your new discovery.

This diagram may help when using the classification table and for drawing your discovery



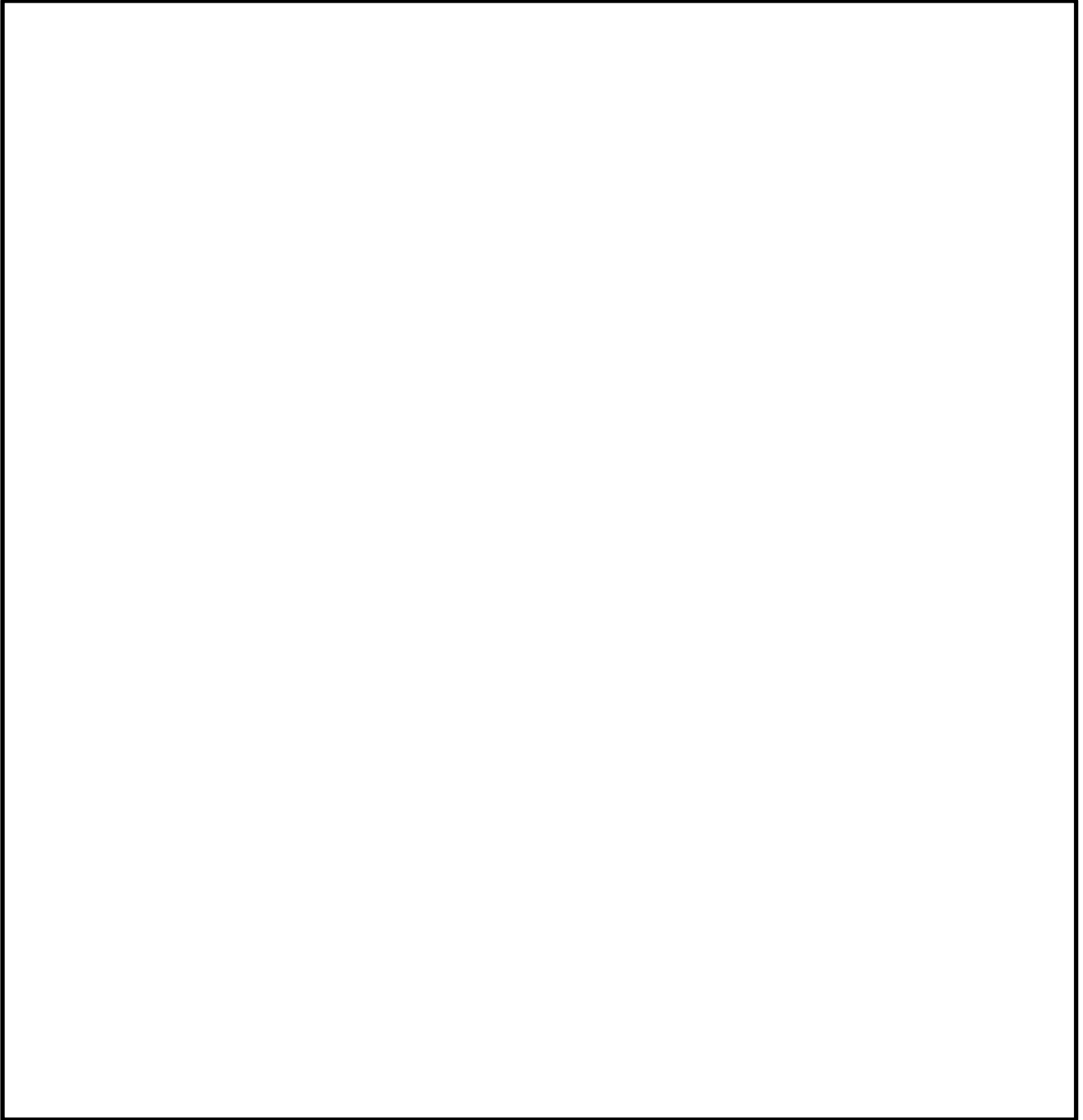
Fill in this chart as you find your animals

Scientific Name	Common Name

If you find an animal that is not on the classification chart or the animal scientific names chart you have made a new discovery! Give it a name in this table below

Scientific Name	Common Name

**Draw and annotate (label) your new discovery**



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## Extension Task

Museums pin animals out so we can learn about their structures.



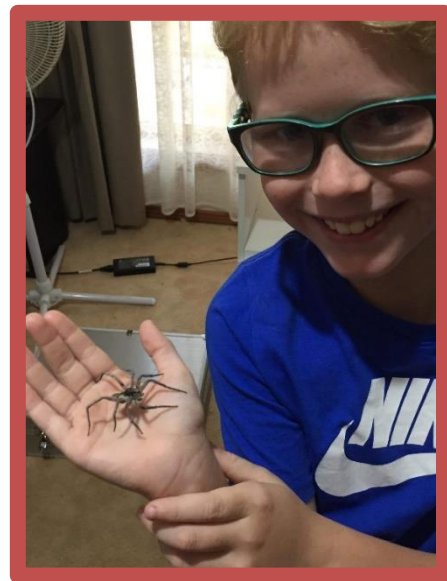
Today you can create your own museum piece.

### You will need

- An insect or arachnid
- Piece of foam
- Pins

### Instructions

1. Lay the specimen on your foam.
2. Place a pin through the abdomen and attach the specimen foam.
3. Slowly and carefully use a pin to stretch legs/wings etc into a life like position. Use the pins to hold them in place. Make your insect look as life like as possible.
4. Leave your specimen to dry. The pins can be removed once it is dry.
5. If you want to hold your specimen, be careful it will be fragile.



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