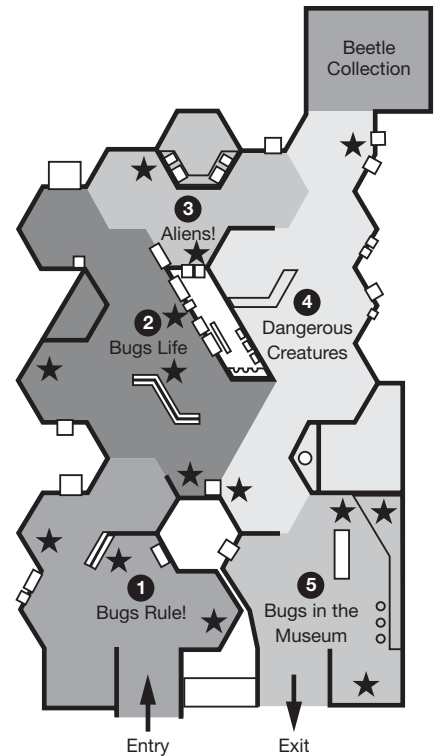


Bugs Alive!



Middle Years Trail

1. Bugs Rule!

- ★ Go to the section entitled 'What is a Bug?'.
What are the main characteristics of insects?
- ★ Go to the large beetle model.
What is special about the wings of beetles?
- ★ Find the dung beetles in the 'Decomposition' section.
Why was it necessary to introduce foreign dung beetles into Australia?

2. A Bug's Life

- ★ How do bugs smell?
- ★ Go to the section entitled 'Metamorphosis'.
Name two groups of insects in which Complete Metamorphosis occurs.
- ★ Find the section entitled 'Bugs that eat other bugs'.
Describe three ways that bugs catch other bugs

- ★ Find the Aquatic Tank.
What do the following aquatic insects eat?
Mayfly nymphs eat:
Adult Diving Beetles eat:
Freshwater Shrimp eat:





3. Aliens!

- ★ How many tarantulas are on display?
Are they dangerous to humans?
- ★ Find the exhibit entitled 'Introduced Species'.
Complete the table below:

| Name of Pest | When Introduced | Where From | Problems Caused |
|-----------------|-----------------|------------|-----------------|
| European Wasp | | | |
| Fire Ant | | | |
| Elm Leaf Beetle | | | |

4. Dangerous Creatures?

- ★ Find the Red-back Spiders.
There have been no human deaths from Red-back Spider bites since an antivenom was developed in the year 19 __ __.
- ★ Go to the section entitled 'Meet your housemates'.
Does the Daddy-long-legs Spider have dangerous venom?
Can White-tailed Spiders cause gangrene?



5. Bugs in the Museum

- ★ Who uses the museum's insect collection?

Draw a diagram showing one of the methods used by scientists to catch bugs.

- ★ Go to the 'Hall of Fame'.
List three amazing Australian insects and the 'claim to fame' of each.