UC Berkeley Essig Museum Tour
Nicole VanderSal

Following a brief introduction to the museum, we will go to the stations upstairs and complete this worksheet. We will have about 45 minutes here.

**Station 1: Lepidoptera: Butterflies and Moths**

Look at the antennae of A and B. How are they different?

Animal A is a moth. Why might moths need such large antennae?

In the space below draw your favorite butterfly or moth. Do you think it is poisonous or not? Why do you think so?

**Station 2: Hymenoptera: Ants, Bees and Wasps**

List some of the colors you see on these animals.

Are these colors bright or dull?

Why would these animals have this type of color?

Describe what activities you think the animals in box A use their stingers for, compared to animals in box B.

**Station 3: Arachnids: Spiders and friends**

Why do spiders have to keep molting?
Draw a spider and one of the other arachnids. Circle, or describe two differences between them.

**Station 4: Isoptera: Termites**

These animals are all the same species. The two large ones are queens. Why are they so huge?

Now find the ones with the big heads. What do you think their job is in the colony?

**Station 5: Mimicry and Warning Coloration**

List five numbers from Boxes 1 and 2 where animals have warning coloration.

List five numbers from Boxes 1 and 2 where animals are mimicking something. Say what they might be mimicking.

<table>
<thead>
<tr>
<th>number</th>
<th>mimicking</th>
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In box 3 why do the “mimics” want to look like the “models”

**Station 6: Coleoptera: Beetles**

In Box 1 find a species of beetle where there is a male and female specimen. Write the common name and scientific name and draw both sexes.
Why might the males and females look so different?

In Box 2 how are some Scarab beetles adapted to being dung beetles?

Draw one other beetle and write its common and scientific name. Describe what habitat it might live in and why you think so.