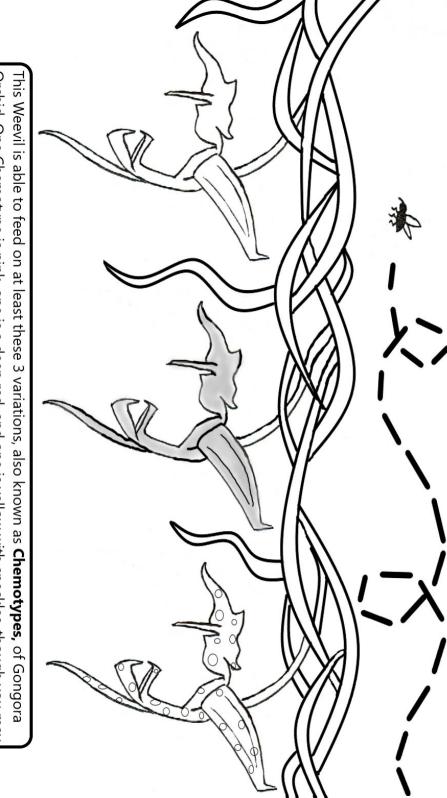
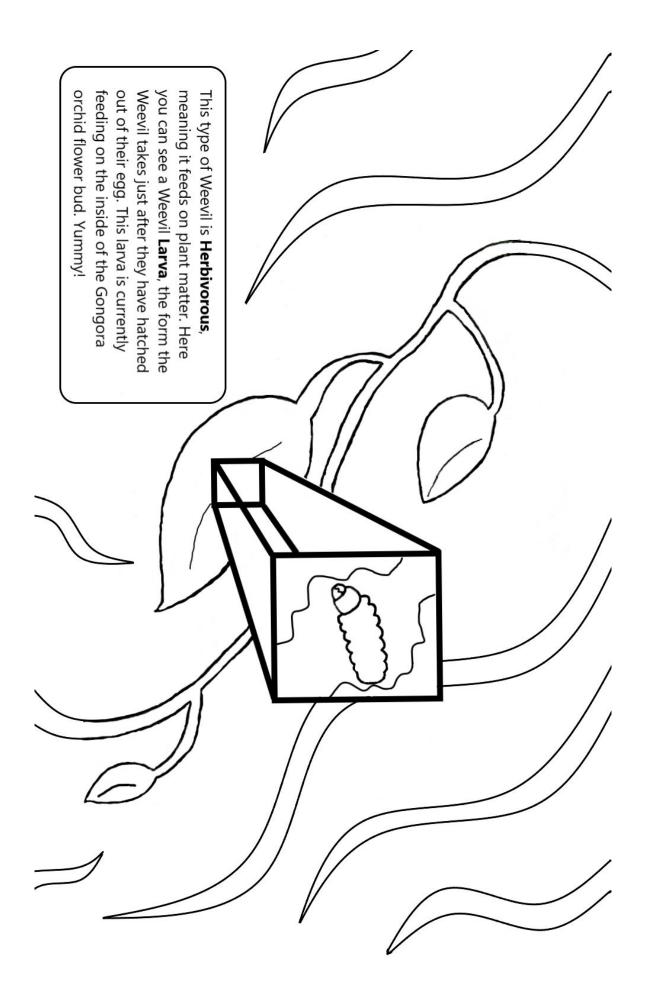
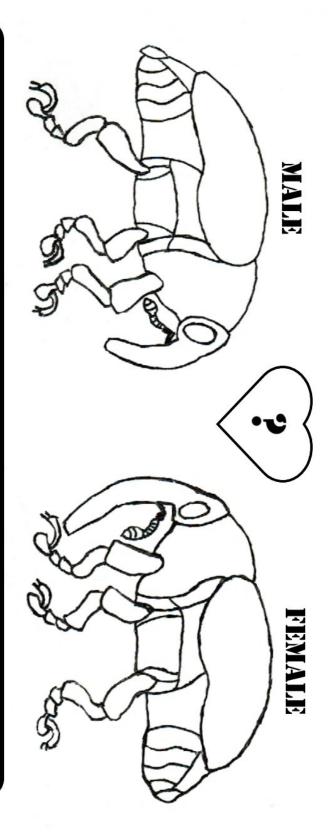
## UC Davis Museum Day 2021 The Ramírez Lab's Plant-Insect Interactions Coloring Book

By Molly Barber, Fernanda Guízar, Collin Gross, and Jasen Liu

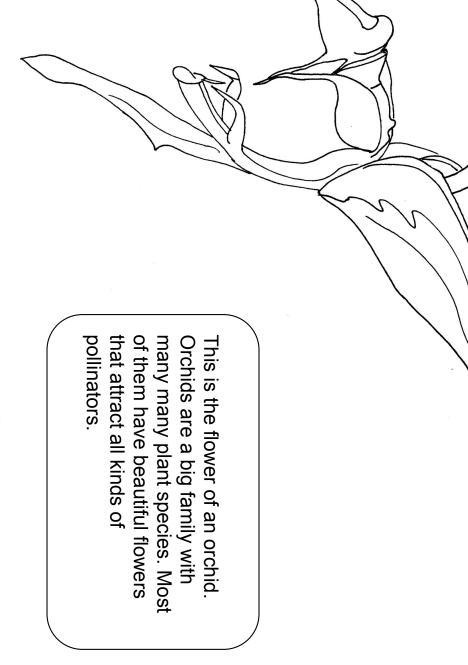


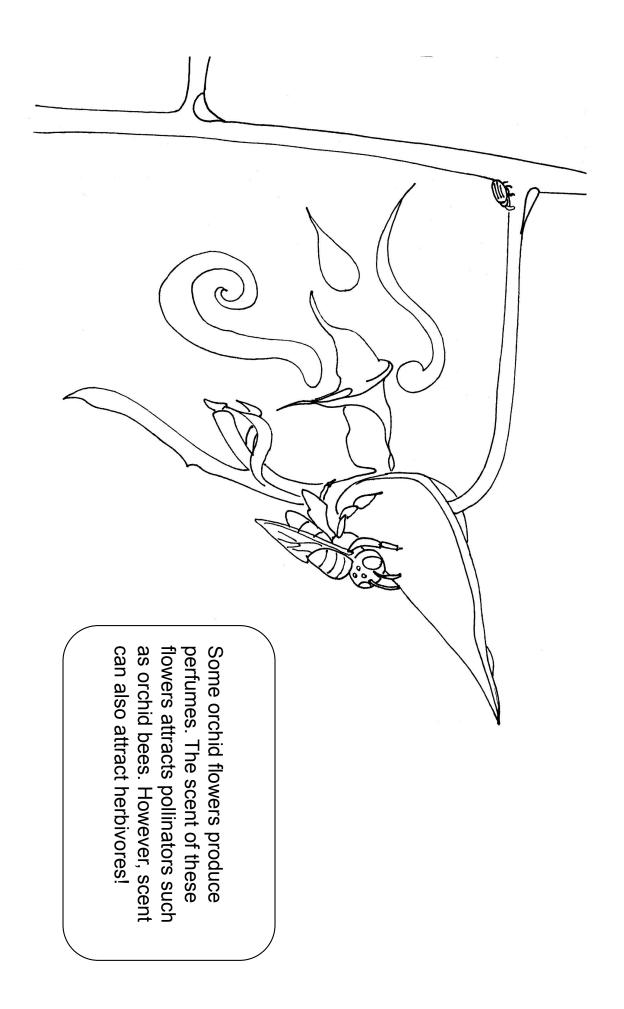
color them as you please. Here you can see a Weevil in the process of Host Selection, where they eggs. What an important choice! Orchid. One Chemotype is pink, one is a deep red, and one is yellow with speckles, though you may must choose which flower to use as food as well as a place to find a mate and eventually lay their

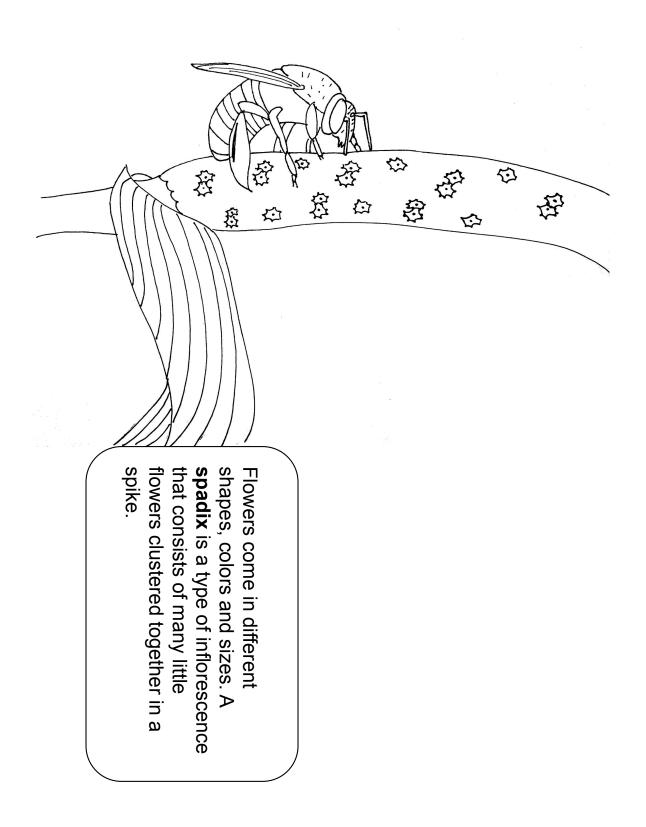




the same species may follow one of two varaitions in body shape, size, or color. In this case the male Weevil has a shorter rostrum, while the female's known as Rostrums. This is an example of Dimorphism, where idividuals of you look closely you will see that they have different looking trunks, also Here you can see an example of a male and female Weevil from this species. If rostrum is much longer. But I think both are equally cute!







## Captions for the next 3 pages

Not all flowers reward their pollinators!

mushrooms Shown here is the California Pipevine, who attracts fungus gnats by producing a smell similar to that of

Creek. This bizarre plant is only found in California, and can be seen flowering between February and March around Putah

- A cross-section of the flower. Gnats fly in but are confused by the curved tunnel-like shape. While trapped in the flower, they transfer pollen trying to escape.
- Close up of a fungus gnat. These gnats are tiny and up to 40 can be present in a single flower at a given time!
- ωN seeds into the wind If pollination is successful, beautiful hanging fruits are produced that eventually dry up to release winged
- N pollinators (from left to right: bumblebee, hummingbird, and hawkmoth) Shown here are 3 different columbines that have evolved spurs to match the mouthparts of their respective with proper adaptations, such as long beaks or tongues, to reach the nectar at the bottom of the spurs For example, **nectar spurs** (hollow modified petals) have evolved in many plant species that allow only pollinators Flowers have evolved ways to make sure that their pollinators are the only ones that can visit them

Shown here is an amazing plant called a Marcgravia. Bats are important pollinators in many parts of the world! The cup-shaped leaves above the flowers reflect the sonar of bats, allowing for them to easily home in on the plants. foreheads while they do so The bats drink nectar from bowl-like nectaries hanging underneath the flowers and transfer pollen from their

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