

Talcott Mountain Science Center

Topic Botany - week 2

Home School Science

Instructor Dr. Z

Home Links

Date Sept 29, 2023

Here's some information about the activities your student did with us. Links at the bottom will help you explore further. Enjoy!

What did we do (content, skills, data collection)?

- * We drew and labeled flowers
- * Took apart flowers to examine under dissecting scopes
- * Created microscope slides to examine pollen and other parts of flowers
- * Created flower pigment art
- * Learned about pollinators and pollination syndromes in plants

How did we do it (materials & methods)?

- * We drew alstroemeria flowers and learned about their anatomy
- * We used dissecting scopes (2x and 4x mag) to examine flowers
- * We used microscopes to examine pre-prepared slides of pollen, as well as wet-mount slides we prepared ourselves from various flower parts
- * Flower pigment art was created using flowers, rubber mallets, and sheets of paper to crush the cell walls of the plants, releasing the pigment. The pages need to dry, and we will make things with them (buttons and bookmarks) at our next class.
- * Powerpoint slide of pollination syndromes and pollinators

Where can we find out more?

- * <https://www.youtube.com/watch?v=Q8GdkMBluis&feature=youtu.be> (video about finding a rare moth that pollinates a rare orchid)
- * https://www.fs.usda.gov/wildflowers/pollinators/What_is_Pollination/syndromes.shtml (pollination syndromes)
- * <https://www.fs.usda.gov/managing-land/wildflowers/pollinators/importance> (importance of pollination)