



Chapter 25 Project

The Seedless Garden

Project Goal + Timeline

In this project, we will be reviewing your knowledge of seedless plants and the evolution of seedless plants by making a book. This project should be completed alone or in groups of two over a week.

Directions

Write either (a) a children's book or (b) a coffee table book. Your book must be about seedless plants' and water plants' challenges when adapting to life on land. Present your book as a story of overcoming these challenges by moving from the most primitive seedless plants to the more modern and complex.

Structure your story into four sections.

Three sections should focus, in turn, on three representatives of the following groups: liverworts, hornworts, and mosses. For each group, share the distinguishing characteristics. Then share with your reader how the group has adapted to life on land and identify any new traits that first appeared in this group.

Your story does not have to be overly academic. Especially if you choose the children's book option, you are encouraged to develop a story with characters.

A fourth section should focus on seedless plant life cycles. Choose one of the following groups: club mosses, horsetails, whisk ferns, or true ferns.

Here are the technical requirements:

- You must have at least six pictures. Draw illustrations or, if you prefer, take photos. But if you use photos, ensure that you take at least half of the pictures yourself. The other half, if you want, can come from internet sources. (Make sure to cite these.)
- The total word count of your book should be between 500 and 800 words.
- Your book must have a cover with a title, word count, and author's name. Any cover images count toward your required six pictures.
- Each page should be numbered at the bottom right.
- Your book must be assembled into three-ring binder.

To create the physical book, make each page a separate sheet of paper. Don't forget the cover. Then compile these pages into a three-ring binder.

Project Materials

- A three-ring binder
- Three-hole punch
- Blank paper
- Art supplies (markers, colored pencils, pens, etc.)
- A pen
- Glue/tape
- *Optional: camera and printer*



Student Checklist

- ☐ Develop a story arc of plants overcoming challenges of the water-to-land transition
- ☐ Include six relevant images
- ☐ Include a section for liverworts, hornworts, and mosses
- ☐ Include a section on the seedless plant you selected (club mosses, horsetails, whisk ferns, or true ferns)
- ☐ Complete all non-picture related technical requirements