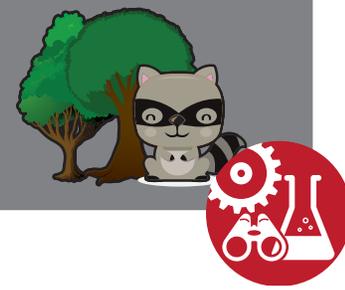


BEAN GREENHOUSE

RINGTAIL'S HOLLOW Environment & Outdoors



THE ADVENTURE:

Create a greenhouse to help a bean grow faster!

PLAN:

- What do plants need in order to grow?
- How can you help a plant grow faster?
- Have you ever helped out in the garden?
- Why are greenhouses used to grow plants?
- How can you build a greenhouse with the materials you have?
- Soak the beans overnight the day before this adventure.
- How will you track how much each plant has grown?



DO:

- Build four different spaces for beans to grow:
 - Water in a cup
 - Water and soil in a cup
 - Water in a greenhouse
 - Water and soil in a greenhouse
- Take your bean cups home and see how they grow during the week. How do you think you can record the growth of the beans?

REVIEW:

- What do you know now that you did not know before?
- What did you see during the week?
- What did the plants look like every day?
- How were beans in the cups different? Why do you think this was?
- What elements of STEM were in this activity? Science? Technology? Engineering? Mathematics?
- What did you like about this activity? What did you not like about it? How would you do this activity differently?

BEAN GREENHOUSE

MATERIALS:

- 6 clear, plastic cups for each Beaver Scout
- Soil
- Paper towels
- Water
- 4 paper rulers for each Beaver
- Masking tape

SAFETY TIP:

- Make sure you keep your greenhouses in a safe place, where they will not be a fire hazard or be dangerous for people or pets.



ONLINE RESOURCES:

- How does a greenhouse work? www.school-for-champions.com/science/heating_greenhouse.htm#.Vg7JOPIVhHw
- Greenhouse Effect climatekids.nasa.gov/greenhouse-effect