



Vascular & Non-Vascular Plants

Recommended Grades: 4, 5, 7

1 hour

Program Summary:

Students will review the difference between vascular and nonvascular plants, when and how they made their appearance in time and why we still find both in nature today. Students will also play a game that demonstrates some of the advantages and limitations of each kind of plant. Finally, students will explore several stations with live examples of vascular and nonvascular plants up close. Using what they learned, students will determine if each plant is vascular or nonvascular and make various hypotheses and observations about them, which will be discussed in group at the end of the program.

Vocabulary:

- Vascular
- Nonvascular
- Xylem
- Phloem
- Adaptation
- Advantage
- Modern
- Primitive
- Osmosis
- Carnivorous
- Competition
- Seed
- Spore
- Stem
- Roots

Correlated Standards:

S4L1a, b, c, d; S4L2a, b

S5L1 a & b

S7L1 a, b; S7L5 a, b

Programs are tailored to suit the knowledge and learning objectives of the participants but also intended to challenge students to develop new connections and apply information learned to real life scenarios.