1st Grade - Act. 23: How Tall are Plants?

Summary
Students will measure a plant using unifix cubes and record their measurements on a class chart.

Main Core Tie
Science - 1st Grade
Standard 4

Materials
- various plants
- unifix cubes
- discovery journals
- pencils
- chart paper

Additional Resources

*Look at this Tree* by Susan Canizares
*All Kinds of Plants* by Sandar Iversen
*From Flowers to Fruit* by Fred and Jeanne Biddulph
*Plant Parts* by Amy Jo
*Plants and Seeds* by Colin Walker
*Where are the Seeds?* by Pauline Cartwright

Background for Teachers
Height is a physical characteristic of plants. It is determined by the growing conditions that the plant receives such as the amount of sunlight, water, quality of soil, and temperature. Growth is a characteristic of plants that can be easily measured.

Intended Learning Outcomes

5. Understand and use basic concepts and skills.

Process Skills
Description, data collection and interpretation

Instructional Procedures

Invitation to Learn
Use a non-standard unit such as unifix cubes, paperclips, or string to measure plant growth.

Instructional Procedures
- Demonstrate how to measure the height of a plant using unifix cubes.
- Divide students into groups and give each group a plant to observe and measure using unifix cubes.
- Record height on class chart using cut out squares to match unifix cubes.
- As a class, put the plants' height on a class chart and compare.
- Students will write and illustrate one or more conclusions drawn from the class chart.

Extensions
Possible Extensions/Adaptations
Measure plants using another nonstandard unit.

Family Connections
Share discovery journal at home. Measure plants at home using nonstandard units of measure.

Assessment Plan
Teacher observes group activities and evaluates journal entries.

Authors
Utah LessonPlans