



PLANT EXPLORATIONS

Please allow at least 4 weeks advance notice to schedule this class.

Grade: 1 (limit 30 students)
45 minutes

Students will review the parts of the plant and the role they play in the survival of the plant through a hands-on small group activity. They will connect the parts of the plant to food that we eat. The class will read the book, "A Fruit is a Suitcase for Seeds" to learn more about seeds and review plant life cycles. Then the small groups will dissect seeds and learn about how they become plants. Finally, each group will plant different colored bean seeds in pots to start an observational experiment to answer the question if the different seeds will grow into plants that look alike or different. This lesson is presented by Sedgwick County Master Gardener volunteers.

• **Standards:**

- 1-LS1-2- Read texts and use media to determine patterns in behavior of parents and offspring that help offspring survive.
 - LS1.B- Adult plants can have young. Then engage in activities that help the offspring to survive.
- LS1.A- Plants have different parts (roots, stems, leaves, flowers, fruits) that help them survive and grow.
- 1-LS3-1- Make observations to construct an evidence-based account that young plants are like but not exactly like their parents. (same leaf shape, different sizes)
 - LS3.A Plants are very much, but not exactly like their parents
 - LS3.B Individuals of the same kind of plant are recognizable as similar but can also vary in many ways.

• **Other Standards:** Social Studies-Families and English/Language Arts Themes

- Change- As we grow we change and things around us change

Teacher Provides:

- ▶ Enough paper lined tables to divide students into small groups

Master Gardeners Provide:

- ▶ Materials for learning activity