

Planning Calendar

**Note to teachers: Each lesson should take approximately 45 minutes to 1 hour*

Calendar Date	Day of Cycle	Lessons and Activities
_____	Preparation	Assemble Light Frame, make space for planting activity, clear board space, copy lesson 1 worksheets and quizzes, nametags for all students.
_____	Day 1	Lesson 1: Journey to the Center of a Seed
_____	Days 4-6	Lesson 2: Germination and Sprouting
_____	Days 10-12	Lesson 3: Plant Parts and Functions
_____	Days 12-14	Lesson 4: How Light Affects Plant Growth
_____	Days 14-17	Lesson 5: Flower Parts and Functions
_____	Days 15-18	Lesson 6: Pollination and Symbiosis
_____	Days 27-32	Lesson 7: Fruit and Adaptations
_____	Day 37	Stop watering your plants!
_____	Days 37-45	Lesson 8: Seed Dispersal and the Cycle of Life
_____	Day 45 or later	Wrap-up Activity: Harvest and Passing on the Seeds of Knowledge

Planning Ahead Chart

	Preparation for <i>this</i> lesson	Preparation for <i>future</i> lesson on this day
Lesson One: Learn seed parts and plant <i>Brassica rapa</i> seeds	Assemble the light frame; clear a table for planting activity; clear board space; copy lesson 1 worksheet and quiz; have nametags on all students; (after first year, soak one lima bean for every student to dissect)	Plant 4-5 extra 4-packs for future lessons Soak mung beans to sprout for Lesson 2
Lesson Two: Germination and Sprouting	Find germination sequence cards in the manual; use Mung bean sprouts that germinated.	Place extra 4-packs around the room: closet, window, shelf.
Lesson Three: Plant Parts and Functions	Overnight soak a celery stalk with leaves, a carrot, lettuce leaves, a twig, and a straw in water with red food coloring added.	None
Lesson Four: How Light Affects Plant Growth	None	None
Lesson Five: Flower Parts and Functions	Buy Alstromeria flowers to dissect; run off copies to make sego lilies; find fake flower provided by Red Butte	None
Lesson Six: Pollination and Symbiosis	Buy glue and cotton swabs.	Do not pollinate one plant. Mark and keep separate from pollinated plants to show students.
Lesson Seven: Fruit and Adaptations	Buy string beans, tomatoes, an apple, an orange, and a cucumber to dissect.	Do a seed scavenger hunt or have students bring seeds from home for Lesson 8
Lesson Eight: Seed Dispersal and Completing the Lifecycle	Find seed dispersal cards in manual.	Make sure you have stopped watering the plants. Let the plants dry out 8-10 days