

Science with Plants Notes and Supply List

Week 1	p 1-3*	Notebook, A few dry: lentils, rice, beans, or other seeds. A few beans soaked the night before. 2 mason jars, 4 paper towels, 6 kidney beans. A couple of peanuts in the shell, a couple of sugar snap peas (frozen is fine), a lemon or other seeded citrus fruit. Water.
Week 4	p 4	3 small pots (or cups if you like), a gallon baggie of potting soil, a pencil for digging. Be sure to make at least three transplants to be ready for next lesson.
Week 5	p 5	3 post-its or small (2"x2"-ish) pieces of paper, a marker, tape. long straight sticks and string for staking bean plants as they grow, 1'x4' piece of cardboard, marker. Check on them and measure every few days until next lesson.
Week 8	p 5-6	Celery, blue food coloring, water, jar
Week 9	p 6**	Houseplant, large baggie, string
Week 11	p 7	large lidded square jar like a nut jar from costco (or a small glass aquarium with plastic wrap lid), small fern, ivy, and/or african violet. Baggie of charcoal (from garden center). Gallon baggie of potting soil. Quart baggie of pebbles, <i>long</i> handled spoon, water
Week 13	p 8	houseplant, a piece of foil big enough to sandwich one leaf
Week 14	p 8-9**	clipboard or equivalent sized piece of cardboard, 3 sheets of copy paper, 3 crayons, assorted leaves, tape
Week 16	p 10-11**	a rose, a daffodil, good weather for observing insects
Week 18	p 12-14***	a stump with rings, a large tree covered in leaves, onion, twigs, jar water
Week 22	p 15	amaryllis bulb, bottle with neck in which bulb just fits, water
Week 23	p 15	carrot top, saucer, water, (optional beet top, saucer, water)
Week 25	p 16	mud from shoes, gallon baggie, string or twist-tie, gloves
Week 26	p 17**	dandelion, sycamore seeds (helicopters)
Week 29	p 18	yogurt container, dirt from outside, lidded mason jar, gloves
Week 30	p 19	yogurt container, leaf litter, magnifying glass, plastic bag, big sheet of paper (on cookie sheet), gloves
Week 32	p 20-21**	leaves from side of road, leaves from park, cotton or tissue

*Beans may be ready for transplant early. Start weeks 4 and 5 sooner if needed.

**Each of these are season sensitive experiments. Check your calendar.

***Week 18 is actually a year long project. Read it early.

GATHER AHEAD MATERIALS FOR SCIENCE WITH PLANTS

If you wish to get a jump on your Science With Plants lessons, grab a big box and gather the following supplies. On the next page is a list of supplies that should probably be purchased the week of the experiment.

Items and week first used:

1	Notebook and colored pencils (used every lesson)
1	A few lentils, rice, beans, or other seeds in a baggie.
1	2 mason jars (also used in weeks 8, 18, and 29 with a lid)
1	4 paper towels
1	6 kidney beans
1	peanuts in the shell
4	3 small pots (or cups if you like)
4	2 gallon baggies of potting soil (second bag used in week 11)
4	a pencil for digging
5	3 post-its or small (2"x2"-ish) pieces of paper
5	a marker
5	tape (also used in week 14)
5	3 long straight sticks
5	string (also used in weeks 8 and 25)
5	1'x4' piece of cardboard
8	celery
8	blue food coloring
9	houseplant (also used in week 13)
9	gallon baggie (also used in weeks 25 and 30)
11	large lidded square jar, like holds nuts from costco.*
11	baggie of charcoal (from garden center)
11	quart baggie of pebbles
13	a piece of foil big enough to sandwich one leaf of houseplant
14	clipboard or equivalent sized piece of cardboard
14	3 sheets of copy paper
14	3 crayons
22	amaryllis bulb
22	bottle with neck in which bulb just fits
25	gloves (also used weeks 29, 30)
25	magnifying glass (also used week 30)
29	yogurt container
30	a BIG sheet of paper, perhaps on a cookie sheet
32	a few tissues or cotton balls

MATERIALS TO BE GATHERED THE WEEK OF THE LESSON

1	lemon or other citrus fruit, sugar snap peas, water, a few beans soaked the night before
4, 8	water
11	water, <i>long handle</i> spoon, small fern, ivy, and/or african violet (plants could be purchased ahead if you feel confident that you can keep them alive that long)
14	assorted leaves
16	a rose, a daffodil, warm weather for observing insects
18*	a stump with rings, a large tree covered in leaves, an onion, winter twigs, water
22	water
23	2 small saucers, water, carrot top, (optional beet top)
25	mud from shoes
26	dandelions, sycamore seeds (helicopters)
29	dirt from outside
30	leaf litter from under a tree
32	leaves growing beside road, leave growing in a park, water

*notice that week 18 calls for things found in different seasons. This is really a year round lesson.