

## 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. <b>Be sure to make at least three transplants to be ready for next lesson.</b>   |
| 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. <b>Check on them and measure every few days until next lesson.</b>                                     |
| 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.