

For the Teacher

WORLD OF PLANTS

HOW PLANTS LIVE & GROW
for Young Scientists

BOOKS

World of Plants, How Plants Live & Grow for Young Scientists, Heron Books

Young Scientist Journal, Heron Books (or a notebook, or journal made by the student)

OTHER MATERIALS

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| <input type="checkbox"/> access to outdoor and indoor plants | <input type="checkbox"/> drawing materials |
| <input type="checkbox"/> flower pot or plastic cup about 5-6 inches across with a hole in the bottom | <input type="checkbox"/> masking tape |
| <input type="checkbox"/> saucer big enough to hold the flower pot or cup | <input type="checkbox"/> cross sections of two different trees showing bark, sapwood, heartwood and annual rings |
| <input type="checkbox"/> potting soil | <input type="checkbox"/> pieces of hardwood (maple, oak, walnut) and softwood (pine, spruce, cedar) |
| <input type="checkbox"/> 8 bean seeds (lima or kidney beans work well) | <input type="checkbox"/> 3-4 large books for weight |
| <input type="checkbox"/> radish seeds | <input type="checkbox"/> glue |
| <input type="checkbox"/> 2 clear plastic cups of the same size | <input type="checkbox"/> cardboard or heavy poster board |
| <input type="checkbox"/> measuring spoons | <input type="checkbox"/> live flowers, flower model, or a color picture showing petals, sepal, stamens and pistil |
| <input type="checkbox"/> plastic wrap | <input type="checkbox"/> a tall clear glass or jar |
| <input type="checkbox"/> 3 rubber bands | <input type="checkbox"/> clean piece of pantyhose or cheesecloth |
| <input type="checkbox"/> live green leaf, the softer the better | |
| <input type="checkbox"/> tool for digging | |

Exam and Exam Answers

Certificate of Achievement

NOTES

Student Learning Guide Estimated Time: about 12 hours (over 1–2 weeks to allow bean plants to grow).

Because some of the activities require the student to find and use plants that grow outside, this course is best done during the local growing season, or spring through late summer.

