

BOTANY MAY

ULYSSES PHILOMATHIC LIBRARY SCIENCE AT HOME

PRINTED RESOURCES

Youth

Do Plants Really Eat Insects?
J 580.2 Canavan Sci Alive

The Plant Hunters
J 580.75 Silvey

What do Roots, Stems, Leaves, and
Flowers do?
J 581 Owen

Plants
J 581 Rivera

Trees
J 582.16 Hickman

Adult

The Revolutionary Genius of Plants
580 Mancuso

Flora Mirabilis
580.9 Howell

DIGITAL RESOURCES

Botanical Society of America

<https://cms.botany.org/home/resources/suggested-botanical-web-sites.html>

Botany for Beginners

<https://extension.psu.edu/programs/betterkidcare/knowledge-areas/environment-curriculum/activities/all-activities/botany-for-beginners>

Cornell: Garden Based Learning

<https://gardening.cals.cornell.edu/>

Science Outreach - Botany

<http://scienceoutreach.ab.ca/children/biology/botany/botany-grades1-6.php>

Science Trek: Botany

https://www.youtube.com/watch?v=sU_X70Y49zQ

Ted-ed: the amazing way plants defend themselves

<https://www.youtube.com/watch?v=Hja0SLs2kus>

Virtual Forest School (series)

<https://www.youtube.com/watch?v=fx62t2hNzk>

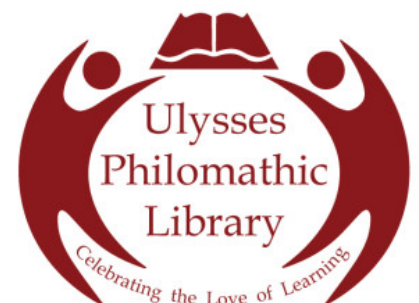
WEEKLY EXPERIMENTS AND SUPPLIES

Monocot vs Dicot: seeds, paper towel, ziplock bag, water

Gravitropism: dandelions, paper towels, cling film, water

Filtration & Erosion: four paper cups, soil, grass seed, water

Photosynthesis: green leaves, two clear ziplock bags, water



ADDITIONAL 'STEAM' RELATED RESOURCES

American Museum of Natural History

Activities, articles, videos and more for anyone interested in exploring science.

<https://www.amnh.org/learn-teach/curriculum-collections>

Because Science (video series)

Nerdist Science Editor Kyle Hill uses math and science concepts to solve, measure, and make sense of pop culture quandaries.

<https://www.youtube.com/c/because-science>

Citizen Science

Helping federal agencies accelerate innovation through public participation, a searchable database of ongoing projects and guides.

<https://www.citizenscience.gov>

Cornell Center for Materials Research

Links to science based lesson plans and videos developed for grades K-12.

<https://www.ccmr.cornell.edu/education/>

Khan Academy: Science

Exercises and instructional videos for students in grades K-college.

<https://www.khanacademy.org/science>

Phys Org

An internet news portal providing the latest news on science and technology.

<https://phys.org/>

Scientific American: Bring Science Home

Science activities using common items and little preparation, for ages 6-12.

<https://www.scientificamerican.com/education/bring-science-home/>

SciShow Kids (video series)

SciShow Kids explores all the curious topics that make us ask "why?"

<https://www.youtube.com/c/scishowkids>

Please email a librarian (librarian@trumansburglibrary.org) or call the library desk for assistance in locating the best books, movies, and magazines for your topic & age group.