

University of Michigan Dearborn Environmental Interpretive Center

Maple Syrup Science Program Pre and Post-Visit Resources

Welcome to the Maple Syrup Science program resource page. Here you will find links to resources pertaining to this program, along with important concepts and relevant literature. Certain links are for short, educational, program-specific videos, while others are images, sounds, worksheets, or fact sheets related to the program. Descriptions are included with the links. The pre-visit resources will help introduce students to our Maple Syrup Science program and the post-visit resources will help reinforce their experiences.

All of the resources provide supplementary and complementary information for the program. Enjoy!

Pre-Visit Resources:

Introductory Concepts:

Habitat - place where plants and animals live

Adaptation - a special skill or body part that helps an organism survive in the wild

Photosynthesis - process by which plants use sunlight, carbon dioxide, and water to make their own food

Sights and Sounds: (video and/or audio)

How maple syrup is made (video by Highlights Kids, about 2 min. long)

<https://www.youtube.com/watch?v=3B0iOyhkzi4>

Photosynthesis video (3 minute video for upper elem/middle school)

<https://www.youtubekids.com/watch?v=EstPeBt9CyU>

Literature:

How is Maple Syrup Made? by Grace Hansen

The Maple Syrup Book by Marilyn Linton and Lesley Fairfield

Additional Information/Worksheets:

Steps to make maple syrup (free printables about collecting and making syrup)

<https://www.wordplayhouse.com/2011/03/how-do-you-make-maple-syrup-maple-sugaring-free-printables.html>

Post-Visit Resources:

Concepts to Reinforce: (in addition to introductory concepts)

3 B's of Tree ID - Bark, branches, and buds

Dormant - not active for the time being

Xylem/Phloem - transport water, glucose (sap) up and down tree trunk

Additional Literature:

Trees, Leaves, and Bark (Take Along Guide) by Diane Burns

A Kid's Guide to Maple Tapping: Let's Make Maple Syrup by Julie Fryer

Additional Information: (articles, documents, videos, images)

Maple tree ID and steps to make syrup (PBS learning media video-reinforces how to identify a Maple tree, sap collection, and syrup production, 3:47 minutes long)

<https://dptv.pbslearningmedia.org/resource/wpsu09.sci.life.stru.wpsumapsyr/maple-syrup/#.YCQp6mhKj-g>

Maple syrup facts for kids (document that includes history and production facts)

https://kids.kiddle.co/Maple_syrup

Xylem/Phloem facts (document covers information about xylem and phloem-best for upper elementary/middle school)

http://www.biology4kids.com/files/plants_xylemphloem.html