

Overview of 2025 Instructional Content Guides for 4-H Foundations of Maple Sugaring Enterprise: From Sap, to Syrup, to Sales

Welcome to Maine 4-H Foundations of Maple Sugaring Enterprise! We are excited that you are interested in using the materials from our website. This document is an overview of the three Instructional Guides for youth participating in the program. Each guide is for a different educational unit:

- **Unit 1 - Woods Work:** Navigating maple forests and collecting maple sap for syrup production.
- **Unit 2 – The Sugarhouse:** converting maple sap to maple syrup for storage and use.
- **Unit 3 – Kitchen and Business:** operating a maple sugar product business and creating value added food products.

Each Instructional Content Guide has a table with three columns. The **left column** consists of the learning objectives for the unit. Learning objectives preceded with an asterisk and left justified are part of the assessment for the Level 1 digital badge (see diagram below). The **middle column** lists the activities and resources for each learning objective, which are: in-person activities at the sugarhouse host sites, activities led by UMaine Extension staff and faculty during virtual learning sessions, and Selected Student Resources (SSR). The SSRs include worksheets, informational resources, and lesson plans for adults to coordinate with kids. Each SSR is labeled with a code that begins with “SSR” and number to indicate the learning unit (“1”, “2”, or “3”), and a letter (see diagram below). Also, the title for each SSR has a weblink to access the resource.

The **right column** lists citations for resources that align with the instructional content for each learning objective. Citations that align with selected student resources in the middle column are marked in parenthesis with the citation in the right column with the page numbers in the text document (see diagram below).

<p>*Identify the weather conditions related to the flow of sap in maple trees</p>	<p>SSR 1F - Maple Syrup Harvest Season</p>	<p>Perkins, et al. (2022). VanDenbergh, S. (2022). (SSR 1F)</p>
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The section below the table is the list of sources and references to support the instructional content for each unit.



The final section is the Positive Youth Development (PYD) Planning Guide, which provides an outline to incorporate each of the PYD Objectives into the learning experiences you coordinate.

Please let me know if you have any questions!
Andrew Hudacs, andrew.hudacs@maine.edu, 207. 581-8204

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