



**Enroll in ZSuite Under this Project Name:** FOOD-SCIENCE FUN WITH DAIRY FOODS

*Approved for 2023-24 Project Year*

**Project Description:** Become a member of the Dairy Police Task force in this immersive food science project! Youth will learn the science behind butter, cheese, curds while solving the Mystery of the Missing Milk.

#### REQUIRED YOUTH CURRICULUM

[Science Fun With Dairy Foods](#) (#OH 490), 2016

[ZSuite 4-H Involvement Report](#)

[ZSuite 4-H Project Record Book](#)

#### REQUIRED VOLUNTEER CLUB LEADER CURRICULUM

[Science Fun With Dairy Foods](#) (#OH 490), 2016

#### SUPPLEMENTAL RESOURCES

none



## PROJECT COMPLETION CHECKLIST

STATE REQUIREMENTS	
	Complete the planning section (Steps 1-4 in the member guide)
	Conduct at least 4 of the 9 project experiments. Answer the questions and complete at least one Digging Deeper activity for each experiment you complete.
	Keep an Experiment Journal. Record your observations and draw conclusions from your findings. Use the Journal of Experiments section on pages 37-42 of the manual, or record your findings in a separate notebook.
	Take part in at least two Learning Experiences.
	Complete at least two Citizenship/Leadership activities.
	Complete the 4-H Project Record Book for this project in your ZSuite Member Account
	Fill out your 4-H Involvement Report in your ZSuite Member Account
	Give an oral presentation (speech, demonstration, or illustrated talk) to your 4-H peers on a topic related to this project. Recommended guidelines for length of oral presentations are: <ul style="list-style-type: none"> <li>• Junior: 5-8 minutes</li> <li>• Intermediate: 8-10 minutes</li> <li>• Senior: 10-12 minutes</li> </ul>

ADDITIONAL LOCAL REQUIREMENTS	

FAIR EXHIBIT CHECKLIST	
	Completed Idaho 4-H Involvement Report (ZSuite)
	Completed Idaho 4-H Project Record Book for this project (ZSuite)
	Completed Science Fun with Dairy Foods member guide and Experiment Journal.
	One of the following exhibit options: <ul style="list-style-type: none"> <li>• Poster or storyboard (14" x 22") describing one of the experiments you completed in the project.</li> <li>• Display and label some of the equipment you used to complete this project. Your labels should include how the equipment was used.</li> <li>• Display a dairy product you made during this project (NOTE: this option is ONLY available in counties with refrigeration available at the fair. Check with your local 4-H Extension Office for approval before exhibiting this option.</li> </ul>