4-H

Food Preservation Proficiency Program A Member's Guide

OVERVIEW

The 4-H Food Preservation Proficiency program helps you learn what you need to know about your 4-H project. Your project leader will assist you in setting and achieving your goals. Through your project, you will acquire food preservation skills.

There are many resources to help you learn more about your project:

- The University of California Davis has free resources available online by visiting: http://anrcatalog.ucdavis.edu/4HYouthDevelopment/ This site lists a variety of project materials and resources recommended for use in your project.
- The Tehama County 4-H Resources and Lending Library at our county 4-H Office includes other books, videos, and reference materials that can be checked out by members and leaders.
- ➤ Food specialty stores frequently offer classes and other educational activities.

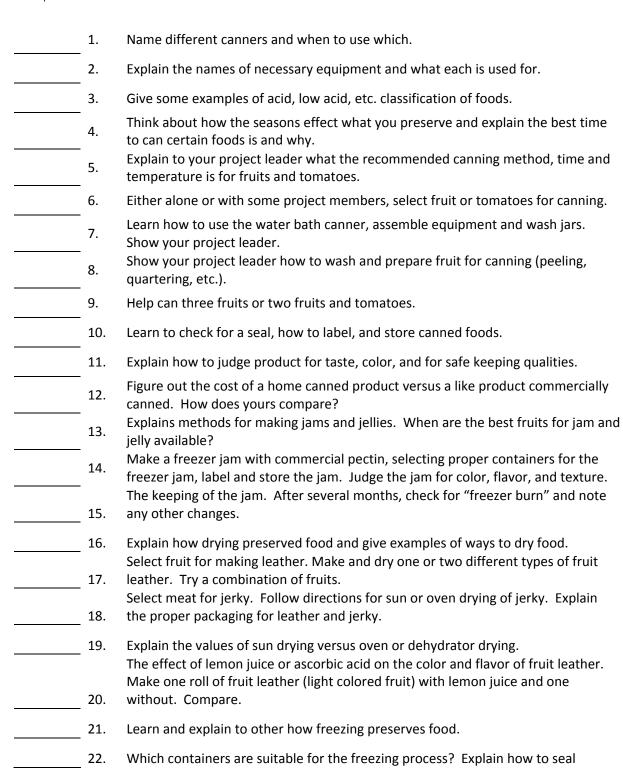
There are five levels in the Project Proficiency Program. You may choose how many levels you with to complete:

- ◆ Level I "Explorer", you begin to learn about food preservation.
- ◆ Level II "Producer", you will practice and refine the many skills involved in food preservation.
- Level III "Consumer", you become experienced in many areas of food preservation.
- ◆ Level IV "Leader", allows you to show your own leadership potential.
- ◆ Level V "Researcher", you carry out a demonstration or experiment on some aspect of food preservation and prepare a paper or portfolio.

As you work through the proficiency program, your leader will date each skill item as you complete it. When all items in a proficiency level are completed, you leader will sign the Certificate of Achievement.

FOOD PRESERVATION Level I - Explorer

Date Completed



Mombor Name	: Date:
26.	Describe the characteristics of freezer burn. How can it be avoided?
25.	Try freezing berries in different temperatures. Which gives the best result?
24.	Freeze fruit in syrup containing crystalline ascorbic acid. Judge the frozen fruit for color, taste and texture. Make a display of freezer containers.
23.	How do you select food for freezing and how do you prepare food for freezing? Experiment: Quick freeze loose berries with dry sugar or without any sugar.
	containers for freezing and why it's important.

Project Leader's Signature: _____ Date: _____

FOOD PRESERVATION Level II - Producer

Completed							
	1.	Review what you learned about the classification of foods.					
	2.	Can a variety of fruits (three or four) using different strength syrups.					
	3.	Make quick pickled cucumbers.					
	4.	Make a pickled relish or salsa.					
	5.	Pickle a vegetable of mixture of vegetables.					
	6.	Prepare fruit of tomato juice and can it.					
	7.	Can fruit with fruit juice rather than syrup.					
	8.	Explore pickling fruit.					
	9.	Explore ways to teach the use of the water bath to a younger group.					
	10.	With your family, find out the annual need for canned fruit.					
	11.	Explain to your leader, the safety practices of pickling.					
	12.	Explore and discuss with your project group the effect of improperly storing canned fruits by placing one jar in a hot, damp location and another in a cool, dry, dark location.					
	13.	Research and tell your leader how to test fruit for acid and pectin content, and to determine which ones need added pectin or acid.					
	14.	Find some recipes for conserves, preserves, and marmalade and try one.					
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Member Name: Date:		Date:					
Project Leader's Signature:		Signature: Date:					

FOOD PRESERVATION Level III - Consumer

Date Completed							
	1.	Learn how to sulfur light colored fruits for drying and try it.					
	2.	Blanch and dry a vegetable. And dry a vegetable that doesn't require blanching.					
	3.	Dry herbs.					
	4.	Judge dried foods at a project, county or state event.					
	 5. Explore time of re-hydration and quality of re-hydrated vegetables. 6. Research the best way to dry vegetables: sun, oven or dehydrator. 						
	7.	Freeze cookies, baked and unbaked; discuss quality losses of frozen foods (texture, color, taste, etc.)					
	8.	Research and develop your own way to keep records of food going in and coming out of the freezer. Discuss the reasoning for doing this.					
	9.	Store shelled nut meats in proper containers at room temperature, refrigerator temperature, and in the freezer. At 2 week intervals, taste and record any signs of rancidity. From the same group of nuts, store some in the shell in a cool, dry place and check these at 2 week intervals for signs of rancidity. Record your observation.					
	10.	After completing the experiment in #9, explain which is the best method for storing nuts and why?					
	11.	Can meat, poultry or fish.					
	12. Research and share methods of safely canning vegetables and meats.						
	13. Make 3 or 4 jams and jellies by the long boil method.						
	14. Compare taste, texture, and color to those made with commercial pectin or by freezer method. 15. Make fermented dill pickles or green tomatoes.						
	16.	Explore and discuss with your leader the effect of surface scum and mold on fermented pickles.					
Member Name:		Date:					
Project Le	ader's	Signature: Date:					
FOOD PRESERVATION							

FOOD PRESERVATION Level IV - Leader

Date Completed		
	1.	Serve as Junior or Teen leader in this project for one year.
	2.	Assist younger members with their food preservation recipes.
	3.	Prepare teaching materials for use at project meetings.
	4.	Develop and put on a demonstration or judging event or train a junior team for such an event.
	5.	Assist younger members about learning a specific technique in the project.
	6.	Develop your own special project related activity. Chart your progress, plan the activities, analyze successes and problems, and report on your findings.
	7.	Assist at a food show or nutrition workshop.
	8.	Make sauerkraut and can it.
	9.	Make brined vegetables.
	10.	Explore recipes using freshened, brined pickles and try one.
	11.	Learn and discuss what role lactic acid fermentation plays with cucumbers and cabbage.
Member	Name.	Date:
Project Leader's Signature:		Signature: Date:

FOOD PRESERVATION Level V - Researcher

Date Completed								
	1.	Report on the results of a demonstration comparing measurable differences in management procedure. (experiment)						
	2.	Prepare a paper of 300 words or more on one of the following topics:						
	-	History of one aspect of food preservation						
		Pros and cons of vegetarianism						
		Role of advertising in food choices						
		How food preservation methods affect quality						
		Technological advances in food preservation						
		Cultural influences on food preservation methods						
		• Other						
	3.	Prepare a speech or illustrated talk to orally summarize your findings and present at a club, project meeting or other educational event.						
Member I	Name:	Date:						
Project Le	ader's	Signature: Date:						

Certificate of Achievement

This certifies that

has completed the Food Preservation Proficiency in Tehama County.

Explorer	Producer	Consumer	Leader	Researcher
 Date		 Date	 Date	Date
 Initials	 Initials	Initials	 Initials	 Initials



