



# PROJECT REQUIREMENTS

## EXPLORE MORE

### Exploring 4-H

#### *Exploring 4-H*

Check with the MSU Extension office for appropriate guidelines for project completion and achievement recognition.

### Design Your Own

#### *Design Your Own*

Evaluate the project by determining the extent to which the goals were accomplished, what was learned, and how it could be improved. The individualized learning plan should be approved by a parent, 4-H adult volunteer leader, or 4-H agent. For assistance with developing a personal learning contract, use the Design Your Own project materials or other goal-setting resources.

### Independent Study / Advanced

#### *Independent Study / Advanced*

The individualized learning plan should be approved by a parent, 4-H adult volunteer leader, or 4-H agent. For assistance in developing a personal learning contract, use Design Your Own project materials or other goal-setting materials. While independent study provides flexibility and creativity, it also requires serious planning, implementation, and evaluation.

## ANIMAL SCIENCE

### Beef

#### *Beef Level 1*

Complete seven activities from five different chapters each year to complete the project, and complete three 'Talk it Over' sections prior to completing the project book. It may take up to three years to complete this level.

#### *Beef Level 2*

Complete a minimum of seven activities and five learning experiences each year to complete this project. It may take three years to complete this level.

#### *Beef Level 3*

Complete a minimum of seven activities and five learning experiences each year to complete this project. It may take three years to complete this level.





# PROJECT REQUIREMENTS

## Dairy Cattle

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| <i>Dairy Cattle Level 1</i> | Complete a minimum of seven activities and three learning experiences each year to complete this project. It may take three years to complete this level. |
| <i>Dairy Cattle Level 2</i> | Complete a minimum of seven activities and five learning experiences each year to complete this project. It may take three years to complete this level.  |
| <i>Dairy Cattle Level 3</i> | Complete a minimum of seven activities and five learning experiences each year to complete this project. It may take three years to complete this level.  |

## Cat

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|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Cat Level 1</i> | Complete a minimum of seven activities and three learning experiences each year to complete this project. It may take three years to complete this level. |
| <i>Cat Level 2</i> | Complete a minimum of seven activities and five learning experiences each year to complete this project. It may take three years to complete this level.  |
| <i>Cat Level 3</i> | Complete a minimum of seven activities and five learning experiences each year to complete this project. It may take three years to complete this level.  |

## Dog

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|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Dog Level 1</i> | Complete a minimum of seven activities and three learning experiences each year to complete this project. It may take three years to complete this level. |
| <i>Dog Level 2</i> | Complete a minimum of seven activities and five learning experiences each year to complete this project. It may take three years to complete this level.  |
| <i>Dog Level 3</i> | Complete a minimum of seven activities and five learning experiences each year to complete this project. It may take three years to complete this level.  |

## Dairy Goat

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|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Dairy Goat Level 1</i> | Complete a minimum of seven activities and three learning experiences each year to complete this project. It may take three years to complete this level. |
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# PROJECT REQUIREMENTS

## *Dairy Goat Level 2*

Complete a minimum of seven activities and five learning experiences each year to complete this project. It may take three years to complete this level.

## *Dairy Goat Level 3*

Complete a minimum of seven activities and five learning experiences each year to complete this project. It may take three years to complete this level.

## **Meat Goat**

### *Meat Goat Level 1*

Complete a minimum of seven activities and three learning experiences each year to complete this project. It may take three years to complete this level.

### *Meat Goat Level 2*

Complete a minimum of seven activities and three learning experiences each year to complete this project. It may take three years to complete this level.

### *Meat Goat Level 3*

Complete a minimum of seven activities and three learning experiences each year to complete this project. It may take three years to complete this level.

## **Horse**

### *Horsemanship*

The project leader or agent can assist the member in setting goals for each project year. Completion of these goals will satisfy the requirements of this project.

### *Colt to Maturity*

The project leader or agent can assist the member in setting goals for each project year. Completion of these goals will satisfy the requirements of this project.

### *Green Horse*

The project leader or agent can assist the member in setting goals for each project year. Completion of these goals will satisfy the requirements of this project.

### *Working Ranch Horse*

The project leader or agent can assist the member in setting goals for each project year. Completion of these goals will satisfy the requirements of this project. 4-H members may enroll in the 4-H Working Ranch Horse Project independently or concurrently with the Horsemanship Project Levels 1-7, depending on county requirements.

### *Horse Packing*

The project leader or agent can assist the member in setting goals for each project year. Completion of these goals will satisfy the requirements of this project.

### *Horse Driving*

The project leader or agent can assist the member in setting goals for each project year. Completion of these goals will satisfy the requirements of this project.

### *Horse Judging*

The project leader or agent can assist the member in setting goals for each project year. Completion of these goals will satisfy the requirements of this project.





# PROJECT REQUIREMENTS

## *Careers with Horses*

The project leader or agent can assist the member in setting goals for each project year. Completion of these goals will satisfy the requirements of this project.

## *Small Equine*

The project leader or agent can assist the member in setting goals for each project year. Completion of these goals will satisfy the requirements of this project.

## **Horseless Horse**

### *Horseless Horse Level 1*

Complete at least seven required and optional activities per year. It may take three years to complete this level.

### *Horseless Horse Level 2*

Complete at least seven required and optional activities per year. It may take three years to complete this level.

### *Horseless Horse Level 3*

Complete at least seven required and optional activities per year. It may take three years to complete this level.

### *Horseless Horse Level 4*

Complete at least seven required and optional activities per year. It may take three years to complete this level.

### *Horseless Horse Level 5*

Complete at least seven required and optional activities per year. It may take three years to complete this level.

## **Pocket Pets**

### *Pocket Pets Level 1*

Complete a minimum of seven activities and three learning experiences each year to complete this project. It may take three years to complete this level.

### *Pocket Pets Level 2*

Complete a minimum of seven activities and five learning experiences each year to complete this project. It may take three years to complete this level.

### *Pocket Pets Level 3*

Complete a minimum of seven activities and five learning experiences each year to complete this project. It may take three years to complete this level.

## **Poultry**

### *Poultry Level 1*

Complete a minimum of seven activities and three learning experiences each year to complete this project. It may take three years to complete this level.

### *Poultry Level 2*

Complete a minimum of seven activities and three learning experiences each year to complete this project. It may take three years to complete this level.





# PROJECT REQUIREMENTS

## *Poultry Level 3*

Complete a minimum of seven activities and three learning experiences each year to complete this project. It may take three years to complete this level.

## **Rabbit**

### *Rabbit Level 1*

Complete a minimum of seven activities and three learning experiences each year to complete this project. It may take three years to complete this level.

### *Rabbit Level 2*

Complete a minimum of seven activities and three learning experiences each year to complete this project. It may take three years to complete this level.

### *Rabbit Level 3*

Complete a minimum of seven activities and three learning experiences each year to complete this project. It may take three years to complete this level.

## **Sheep**

### *Sheep Level 1*

Complete a minimum of seven activities and three learning experiences each year to complete this project. It may take three years to complete this level.

### *Sheep Level 2*

Complete a minimum of seven activities and five learning experiences each year to complete this project. It may take three years to complete this level.

### *Sheep Level 3*

Complete a minimum of seven activities and five learning experiences each year to complete this project. It may take three years to complete this level.

## **Swine**

### *Swine Level 1*

Complete a minimum of seven activities and three learning experiences each year to complete this project. It may take three years to complete this level.

### *Swine Level 2*

Complete a minimum of seven activities and five learning experiences each year to complete this project. It may take three years to complete this level.

### *Swine Level 3*

Complete a minimum of seven activities and five learning experiences each year to complete this project. It may take three years to complete this level.

## **Veterinary Science**

### *Veterinary Science Level 1*

Complete a minimum of seven activities and identify at least four goals. It may take three years to complete this level.





# PROJECT REQUIREMENTS

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| <i>Veterinary Science Level 2</i> | Complete a minimum of seven activities and identify at least four goals. It may take three years to complete this level. |
| <i>Veterinary Science Level 3</i> | Complete a minimum of seven activities and identify at least four goals. It may take three years to complete this level. |

## Livestock Judging

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| <i>Livestock Judging</i> | Check with the MSU Extension office for appropriate guidelines for project completion and achievement recognition. |
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## ENGINEERING AND TECHNOLOGY

### Aerospace

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|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Aerospace Level 1</i> | Complete a minimum of seven activities and three learning experiences each year to complete this project. It may take three years to complete this level. |
| <i>Aerospace Level 2</i> | Complete a minimum of seven activities and three learning experiences each year to complete this project. It may take three years to complete this level. |
| <i>Aerospace Level 3</i> | Complete a minimum of seven activities and three learning experiences each year to complete this project. It may take three years to complete this level. |

### Electric

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|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Electric Level 1</i> | Complete at least three required activities, four optional activities, and at least two leadership experiences. It may take three years to complete the level. |
| <i>Electric Level 2</i> | Complete at least three required activities, four optional activities, and at least two leadership experiences. It may take three years to complete the level. |
| <i>Electric Level 3</i> | Complete at least three required activities, four optional activities, and at least two leadership experiences. It may take three years to complete the level. |
| <i>Electric Level 4</i> | Complete at least three required activities, four optional activities, and at least two leadership experiences. It may take three years to complete the level. |





# PROJECT REQUIREMENTS

## Robotics

### *Introduction to Modern Microcontrollers*

Complete a minimum of seven activities and one challenge per 4-H year. Youth are encouraged to design challenges and programming to achieve the minimum requirements. This could be completed in one to three years.

### *Robotics Essentials*

Check with the MSU Extension office for appropriate guidelines for project completion and achievement recognition.

### *Junk Drawer Robotics, Level 1*

Complete a minimum of seven activities listed each year. It may take two years to complete this level.

### *Junk Drawer Robotics, Level 2*

Complete a minimum of seven activities listed each year. It may take two years to complete this level.

### *Junk Drawer Robotics, Level 3*

Complete a minimum of seven activities listed each year. It may take two years to complete this level.

## Small Engines

### *Small Engines Level 1*

Complete at least seven activities. It may take three years to complete this level.

### *Small Engines Level 2*

Complete at least seven activities. It may take three years to complete this level.

### *Small Engines Level 3*

Complete at least seven activities. It may take three years to complete this level.

## Welding

### *Welding*

Check with the MSU Extension office for appropriate guidelines for project completion and achievement recognition. This project will take a year to complete and can be repeated.

## Woodworking

### *Woodworking Level 1*

Complete at least seven required and optional activities and at least two leadership experiences. It may take three years to complete this level.

### *Woodworking Level 2*

Complete at least seven required and optional activities and at least two leadership experiences. It may take three years to complete this level.





# PROJECT REQUIREMENTS

## *Woodworking Level 3*

Complete at least seven required and optional activities and at least two leadership experiences. It may take three years to complete this level.

## *Woodworking Level 4*

Complete at least seven required and optional activities and at least two leadership experiences. It may take three years to complete this level.

## ENVIRONMENTAL AND NATURAL SCIENCES

### Entomology

#### *Entomology Level 1*

Complete a minimum of seven activities and participate in two leadership experiences each year. It may take up to three years to complete this level.

#### *Entomology Level 2*

Complete a minimum of seven activities and participate in two leadership experiences each year. It may take up to three years to complete this level.

#### *Entomology Level 3*

Complete a minimum of seven activities and participate in two leadership experiences each year. It may take up to three years to complete this level.

### Forestry

#### *Forestry Level 1*

Complete a minimum of six activities each year. It may take up to three years to complete this level.

#### *Forestry Level 2*

Complete a minimum of six activities each year. It may take up to three years to complete this level.

#### *Forestry Level 3*

Complete a minimum of six activities each year. It may take up to three years to complete this level.

### Outdoor Adventures

#### *Outdoor Adventures Level 1*

Complete at least six activities each year. It may take up to three years to complete this level. It is recommended to complete two activities in Chapter 1 before the first short 1–2 hour day hike; two activities in Chapter 2 before a half-day hike; and two activities, including the Leave No Trace Activity in Chapters 3 and 4, before a full-day hike.





# PROJECT REQUIREMENTS

- Outdoor Adventures Level 2* Complete at least six activities each year. It may take up to three years to complete this level. Do at least 10 of the Camping Adventures activities and 10 Reach the Peak activities to complete this project over the three years.
- Outdoor Adventures Level 3* Complete at least six activities each year. It may take up to three years to complete this level. Before backpacking, complete at least two activities in Chapter 1, including Gathering Group Gear, complete Food for Thought in Chapter 2, complete the Leave No Trace in Your Place activity in Chapter 3; and complete all the activities in Chapter 4. Complete at least 20 of the Backpacking Expeditions and Reach the Peak activities over the three years.

## Shooting Sports

- Air Pistol* Check with the MSU Extension office for appropriate guidelines for project completion and achievement recognition.
- Small Bore Pistol (.22)* Check with the MSU Extension office for appropriate guidelines for project completion and achievement recognition.
- Air Rifle* Check with the MSU Extension office for appropriate guidelines for project completion and achievement recognition.
- Small Bore Rifle (.22)* Check with the MSU Extension office for appropriate guidelines for project completion and achievement recognition.
- BB Gun Safety* Check with the MSU Extension office for appropriate guidelines for project completion and achievement recognition.
- Archery* Check with the MSU Extension office for appropriate guidelines for project completion and achievement recognition.
- Shotgun* Check with the MSU Extension office for appropriate guidelines for project completion and achievement recognition.
- Muzzleloading* Check with the MSU Extension office for appropriate guidelines for project completion and achievement recognition.
- Hunting* Check with the MSU Extension office for appropriate guidelines for project completion and achievement recognition.
- Montana 4-H Western Heritage Project (Western Action Shooting)* Check with the MSU Extension office for appropriate guidelines for project completion and achievement recognition.





# PROJECT REQUIREMENTS

## Sport Fishing

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|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Sport Fishing Level 1</i> | Complete a minimum of six activities and three learning experiences each year to complete this project. It may take three years to complete this level. |
| <i>Sport Fishing Level 2</i> | Complete a minimum of six activities and three learning experiences each year to complete this project. It may take three years to complete this level. |
| <i>Sport Fishing Level 3</i> | Complete a minimum of six activities and three learning experiences each year to complete this project. It may take three years to complete this level. |

## Wildlife

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| <i>Wildlife</i> | Check with the MSU Extension office for appropriate guidelines for project completion and achievement recognition. |
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## FAMILY AND CONSUMER SCIENCES

### Babysitting

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| <i>Babysitting</i> | A member could work on this book for two years, but it is recommended that they finish the book in one year to become a certified babysitter. To be certified, he/she would also need certification from the Red Cross or another group in First Aid and CPR. |
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### Family Adventures

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| <i>Family Adventures</i> | Complete seven adventures as a family to complete this project. |
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### Interior Design

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|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Interior Design Level 1</i> | Complete a minimum of one activity in two sections per year to complete this level. It may take up to two years to complete this level.    |
| <i>Interior Design Level 2</i> | Complete a minimum of one activity in three sections per year to complete the level. It may take up to three years to complete this level. |





# PROJECT REQUIREMENTS

## *Interior Design Level 3*

Complete all four sections of The Finishing Touch, and at least one activity per section. It may take up to three years to complete this level.

## *Interior Design Level 4*

Complete up to three sections and complete a minimum of one activity per section to complete this project level.

## **Sewing and Textiles**

### *Sewing Level 1*

Complete up to four projects per year from the Maker's Guide or similar skill level projects. Use the lessons in FUNdamentals to guide your learning. It may take up to three years to complete this level.

### *Sewing Level 2*

Complete up to four projects per year using the lessons and skills learned from Level 2. It may take up to three years to complete this level.

### *Sewing Level 3*

Complete up to two projects per year using the lessons and skills learned from Level 3. It may take up to three years to complete this level.

### *Embroidery*

Check with the MSU Extension office for appropriate guidelines for project completion and achievement recognition.

### *Shopping in Style*

Complete seven lessons in the project book per year. It may take three years to complete the project.

## **Fiber Arts**

### *Knitting*

Check with the MSU Extension office for appropriate guidelines for project completion and achievement recognition.

### *Crochet*

Check with the MSU Extension office for appropriate guidelines for project completion and achievement recognition.

## **Quilting**

### *Quilting Level 1*

Complete all seven activities in the book, take part in two learning experiences, complete two leadership activities, and write a project summary.





# PROJECT REQUIREMENTS

## *Quilting Level 2*

Complete a minimum of two projects of choice each year in the Block 1 book to complete the project. Use the Design Your Own project to set goals. It may take up to two years to complete this level.

## *Quilting Level 3*

Complete a minimum of two projects of choice each year in the Block 2 book to complete the project. Use the Design Your Own project to set goals. It may take up to two years to complete this level.

## PLANT SCIENCES

### Crop Science

#### *Small Grains: Wheat, Oats, Barley and Rye*

Complete at least three activities in the book and make a project plan to complete this project.

### Gardening

#### *Gardening Level A*

Complete the activities listed in the book for year one. Six additional activities are listed to be completed in year two.

#### *Gardening Level B*

Complete the activities listed in the book for year one. Six additional activities are listed to be completed in year two.

#### *Gardening Level C*

Complete the activities listed in the book for year one. Six additional activities are listed to be completed in year two.

#### *Gardening Level D*

Complete the activities listed in the book for year one. Six additional activities are listed to be completed in year two.

### Range Science Management

#### *Range Level 1*

See project sheet on the Range Science CD





# PROJECT REQUIREMENTS

## Weed Science

### *Weed Science Level 1*

Complete 14 activities before moving on to Level two, in addition to one “more challenge” option. Work at your own pace but complete the level in three years. Additionally, it is recommended to build the plant press during the first year and collect at least 25 weeds by the time you finish the level.

### *Weed Science Level 2*

Complete at least four activities each year, and one “more challenge.” Add 20 more plants to your weed collection using the plant press built in level one. This level may take up to three years to complete.

## COMMUNICATION AND EXPRESSIVE ARTS

## Cowboy Poetry

### *Cowboy Poetry*

Complete a minimum of three original poems composed of at least four-line stanzas and demonstrate a specific rhyme pattern in original verse.

## Leathercraft

### *Leathercraft Level 1*

Complete a minimum of two articles by practicing lacing, finishing and assembly of leather articles.

### *Leathercraft Level 2*

Complete a minimum of two articles by practicing with carving tools, practicing elementary sketching and design.

### *Leathercraft Level 3*

Complete a minimum of two articles by practicing inverted carving techniques, beginning dyeing, lining, simple molding and shaping or hand stitching.

### *Leathercraft Level 4*

Complete a minimum of two articles by practicing carving and embossing.

### *Leathercraft Level 5*

Complete a minimum of two articles by practicing solid color dyeing and shading and complete leadership/citizenship experiences.

### *Leathercraft Level 6*

Complete a minimum of one carving, select a picture, scene or portrait to carve, then frame or mount the picture.





# PROJECT REQUIREMENTS

## *Leathercraft Level 7*

Complete a saddle project, either by making or rebuilding.

## *Leathercraft Creations, Levels 8-10*

Project Requirements – Unit 8

Complete a minimum of two articles using creative design by developing a pattern using stamping tools, balance and color.

Project Requirements – Unit 9

Complete a minimum of two articles using non-tooled and non-sewn techniques like lacing, braiding, expanding, and sculpting.

Project Requirements – Unit 10

Complete a minimum of two articles using sewing techniques.

## Photography

### *Photography Level 1*

Complete this level by exploring each of the four project areas (equipment, lighting, composition and skill building), take part in two learning experiences and two leadership/citizenship activities.

### *Photography Level 2*

Complete this level by exploring each of the four project areas (equipment, lighting, composition and skill building), take part in two learning experiences and two leadership/citizenship activities.

### *Photography Level 3*

Complete this level by exploring each of the four project areas (equipment, lighting, composition and skill building), take part in two learning experiences and two leadership/citizenship activities.

### *Videography Level 4*

Complete a short practice video on a chosen subject and a longer video that has a script and uses storyboard techniques. This video will demonstrate digital storytelling and follow the rubric requirements in the book.

## Visual Arts

### *Get Started in Art*

Check with the MSU Extension office for appropriate guidelines for project completion and achievement recognition.

### *Drawing, Fiber, and Sculpture*

Check with the MSU Extension office for appropriate guidelines for project completion and achievement recognition.

### *Painting, Printing, and Graphic Design*

Check with the MSU Extension office for appropriate guidelines for project completion and achievement recognition.





# PROJECT REQUIREMENTS

## Scrapbooking

### *Scrapbooking*

Check with the MSU Extension office for appropriate guidelines for project completion and achievement recognition.

## LEADERSHIP AND PERSONAL DEVELOPMENT

## Citizenship

### *Navigating Citizenship, Level 1 and 2*

Level 1, middle school youth: Complete three activities in the Montana Government section and write a bill. They can choose to attend and present their bill at the 4-H Citizenship Seminar held in Helena every two years (must apply through your county). Level 2, high school youth: Complete five activities related to Federal or Tribal Governments and have a choice of applying for the National 4-H Conference or the Ignite Conference, both held in Washington, D.C.

### *Global Citizenship*

Level 1: Complete a cultural study and seven activities. Level 2: Complete three activities and ask your family to host an international exchange delegate (ages 10+); prepare for and reflect on your experience. This project can be completed throughout your 4-H career.

### *Interstate Exchange / Hosting*

Complete a project journal that includes the areas outlined in the youth guide and plan a project report using a medium such as TV, radio or a newsletter. Eligibility guidelines for the exchange program are set by counties.

## Leadership

### *Leadership Level 1 & 2*

Complete a minimum of six activities, with one activity from each of the six leadership skills. Youth must also create, implement, and evaluate a plan of action. In level one, it is recommended that you select one activity per chapter.





# PROJECT REQUIREMENTS

## FOODS AND NUTRITION

### Cake Decorating

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|--------------------------------|--------------------------------------------------------------------------------------------------------------------|
| <i>Cake Decorating Level 1</i> | Check with the MSU Extension office for appropriate guidelines for project completion and achievement recognition. |
| <i>Cake Decorating Level 2</i> | Check with the MSU Extension office for appropriate guidelines for project completion and achievement recognition. |
| <i>Cake Decorating Level 3</i> | Check with the MSU Extension office for appropriate guidelines for project completion and achievement recognition. |
| <i>Cake Decorating Level 4</i> | Check with the MSU Extension office for appropriate guidelines for project completion and achievement recognition. |

### Cooking

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| <i>Cooking Level 1</i> | Complete at least two dishes from each recipe section: snacks, side dishes, breads, and desserts. Members must also complete two learning experiences and one community service experience. It may take up to two years to complete this level.                                                                                                                                            |
| <i>Cooking Level 2</i> | Complete a minimum of two dishes from each recipe section: fruits, vegetables, grains, meat and beans, milk, and desserts. Give two to three informal demonstrations on food or kitchen safety to your helper, leader or club. Demonstrate knowledge of Cooking "How To" Basics. Complete at least one community service experience. It may take up to three years to complete this level. |
| <i>Cooking Level 3</i> | Complete a minimum of two dishes from each recipe section: fruit, vegetables, grains, meat and beans, milk and desserts. Give two to three demonstrations to your helper, leader, or club. Complete one or two food science experiments. Complete at least one community service experience. It may take up to three years to complete this level.                                         |
| <i>Cooking Level 4</i> | Complete a minimum of two dishes from each recipe section: fruit, vegetables, grains, meat and beans, milk and desserts. Give three to five demonstrations to your helper, leader, or club. Complete one or two food science experiments. Complete at least one community service experience. It may take up to three years to complete this level.                                        |





# PROJECT REQUIREMENTS

## Baking

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|-----------------------|---------------------------------------------------------------------------------------------------------------------------|
| <i>Baking Level 1</i> | Complete this project with a minimum of seven activities each year. It may take up to three years to complete this level. |
| <i>Baking Level 2</i> | Complete this project with a minimum of seven activities each year. It may take up to three years to complete this level. |
| <i>Baking Level 3</i> | Complete this project with a minimum of seven activities each year. It may take up to three years to complete this level. |
| <i>Baking Level 4</i> | Complete this project with a minimum of seven activities each year. It may take up to three years to complete this level. |

## Food Preservation

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| <i>Food Preservation</i> | Complete seven activities, at least two learning experiences and be involved in at least two leadership or citizenship experiences. |
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