

CASCADE COUNTY 4-H PROJECT REQUIREMENT TABLE

Revised 8.11.2021 All other versions are obsolete

PROJECT	PROJECT BOOK TITLE	ACTIVITIES REQUIRED (Minimum per year)	ACTIVITIES REQUIRED (Total to advance level or complete project)
****ANIMAL SCIENCE****			
Beef			
Beef – Level 1	Bite into Beef	7 activities & 3 learning experiences per year	21 activities & 9 learning experiences to advance; may take 3 years to complete level
Beef – Level 2	Here’s the Beef	7 activities & 5 learning experiences per year	21 activities & 15 learning experiences to advance; may take 3 years to complete level
Beef – Level 3	Leading the Charge	7 activities & 5 learning experiences per year	21 activities & 15 learning experiences to advance; may take 3 years to complete level
Beef Breeding	Cascade County 4-H Breeding Project Activity Book	Meet project level requirements for species and do 1 activity from Breeding Project Activity Book in your age category per year	May take several years to complete
Cat			
Cat – Level 1	Purrr-fect Pals!	7 activities & 3 learning experiences per year	21 activities & 9 learning experiences to advance; may take 3 years to complete level
Cat – Level 2	Climbing Up!	7 activities & 5 learning experiences per year	21 activities & 15 learning experiences to advance; may take 3 years to complete level
Cat – Level 3	Leaping Forward	7 activities & 5 learning experiences per year	21 activities & 15 learning experiences to advance; may take 3 years to complete level
Dairy Cattle			
Dairy Cattle – Level 1	Cowabunga!	7 activities & 3 learning experiences per year	21 activities & 9 learning experiences to advance; may take 3 years to complete level
Dairy Cattle – Level 2	Mooving Ahead	7 activities & 5 learning experiences per year	21 activities & 15 learning experiences to advance; may take 3 years to complete level
Dairy Cattle – Level 3	Rising to the Top	7 activities & 5 learning experiences per year	21 activities & 15 learning experiences to advance; may take 3 years to complete level
Dog			
Dog – Level 1	Wiggles and Wags	7 activities & 3 learning experiences per year	21 activities & 9 learning experiences to advance; may take 3 years to complete level
Dog – Level 2	Canine Connection	7 activities & 5 learning experiences per year	21 activities & 15 learning experiences to advance; may take 3 years to complete level
Dog – Level 3	Leading the Pack	7 activities & 5 learning experiences per year	21 activities & 15 learning experiences to advance; may take 3 years to complete level
Dairy Goat			
Dairy Goat – Level 1	Getting Your Goat	7 activities & 3 learning experiences per year	21 activities & 9 learning experiences to advance; may take 3 years to complete level
Dairy Goat – Level 2	Stepping Out	7 activities & 5 learning experiences per year	21 activities & 15 learning experiences to advance; may take 3 years to complete level
Dairy Goat – Level 3	Showing the Way	7 activities & 5 learning experiences per year	21 activities & 15 learning experiences to advance; may take 3 years to complete level
Dairy Goat Breeding	Cascade County 4-H Breeding Project Activity Book	Meet project level requirements for species and do 1 activity from Breeding Project Activity Book in your age category per year	May take several years to complete
Meat Goat			
Meat Goat – Level 1	Just Browsing	7 activities & 3 learning experiences per year	21 activities & 9 learning experiences to advance; may take 3 years to complete level
Meat Goat – Level 2	Get Growing with Meat Goats	7 activities & 5 learning experiences per year	21 activities & 15 learning experiences to advance; may take 3 years to complete level
Meat Goat – Level 3	Meating the Future	7 activities & 5 learning experiences per year	21 activities & 15 learning experiences to advance; may take 3 years to complete level
Meat Goat Breeding	Cascade County 4-H Breeding Project Activity Book	Meet project level requirements for species and do 1 activity from Breeding Project Activity Book in your age category per year	May take several years to complete

PROJECT	PROJECT BOOK TITLE	ACTIVITIES REQUIRED (Minimum per year)	ACTIVITIES REQUIRED (Total to advance level or complete project)
Horse			
Horsemanship – Levels 1-3 & 4-7	Introduction to Horsemanship, Manual Levels 1-3, Manual Levels 4-7; Montana 4-H Horsemanship Resource Manual	Complete 1 level appropriate assessment, complete activities in Horsemanship project manual for level enrolled, participate in 3 horse related activities or experiences, and 1 community service activity per year	Levels to be completed yearly to advance
Horseless Horse – Level 1	Giddy Up and Go	7 activities, 1 community service activity per year	21 activities, 3 community service activities to advance level; may take 3 years to complete level
Horseless Horse – Level 2	Head, Heart, and Hooves	7 activities, 1 community service activity per year	21 activities, 3 community service activities to advance level; may take 3 years to complete level
Horseless Horse – Level 3	Stable Relationships	7 activities, 1 community service activity per year	21 activities, 3 community service activities to advance level; may take 3 years to complete level
Horseless Horse – Level 4	Riding the Range	7 activities, 1 community service activity per year	21 activities, 3 community service activities to advance level; may take 3 years to complete level
Horseless Horse – Level 5	Jumping to New Heights	7 activities, 1 community service activity per year	21 activities, 3 community service activities to advance level; may take 3 years to complete level
Colt to Maturity – Levels 1-5	Training Horses – Yearling to Five-Year-Old; Colt to Maturity Manual	Complete 1 level appropriate assessment, complete level appropriate activities from Colt to Maturity project manual, participate in 3 horse related activities or experiences, and 1 community service activity per year	Levels to be completed yearly to advance
Working Ranch Horse – Levels 1-4	Working Ranch Horse, Levels 1-4	Complete 1 level appropriate assessment, participate in 3 horse related activities or experiences, and 1 community service activity per year	Levels to be completed yearly to advance
Horse Packing – Levels 1-5	Montana 4-H Horse Packing Manual	Complete level appropriate assessment from the 4-H Horse Packing Manual, complete 3 learning experiences	Must submit 3 NEW learning experiences at each level; Each level to be completed in one year
Horse Driving – Levels 1-4	Montana 4-H Horse Driving Project	Complete level appropriate activities in Horse Driving project manual, complete 3 learning experiences per year	Must submit 3 NEW learning experiences at each level; Each level to be completed in one year
Green Horse, Levels 1-4	4-H Green Horse, Levels 1-4; 4-H Training Horses, Yearlings to Five-Year-Old and Green Horses	Complete level appropriate activities from Green Horse Manual, complete 1 level appropriate assessment, participate in 3 horse related activities or experiences, and 1 community service activity per year	Levels to be completed yearly to advance
Careers with Horses	Montana 4-H Horse Careers Manual	Complete 3 activities from 4-H Horse Careers Manual, complete 3 learning experiences per year	9 activities and 9 learning experiences to complete project
Pocket Pets			
Pocket Pet – Level 1	Pet Pals	7 activities & 3 learning experiences per year	21 activities & 9 learning experiences to advance; may take 3 years to complete level
Pocket Pet – Level 2	Scurrying Ahead	7 activities & 5 learning experiences per year	21 activities & 15 learning experiences to advance; may take 3 years to complete level
Pocket Pet – Level 3	Scaling the Heights	7 activities & 5 learning experiences per year	21 activities & 15 learning experiences to advance; may take 3 years to complete level

PROJECT	PROJECT BOOK TITLE	ACTIVITIES REQUIRED (Minimum per year)	ACTIVITIES REQUIRED (Total to advance level or complete project)
Poultry			
Poultry – Level 1	Scratching the Surface	7 activities & 3 learning experiences per year	21 activities & 9 learning experiences to advance; may take 3 years to complete level
Poultry – Level 2	Testing Your Wings	7 activities & 3 learning experiences per year	21 activities & 9 learning experiences to advance; may take 3 years to complete level
Poultry – Level 3	Flocking Together	7 activities & 3 learning experiences per year	21 activities & 9 learning experiences to advance; may take 3 years to complete level
Poultry Breeding	Cascade County 4-H Breeding Project Activity Book	Meet project level requirements for species and do 1 activity from Breeding Project Activity Book in your age category per year	May take several years to complete
Rabbit			
Rabbit – Level 1	What's Hoppening?	7 activities & 3 learning experiences per year	21 activities & 9 learning experiences to advance; may take 3 years to complete level
Rabbit – Level 2	Making Tracks	7 activities & 3 learning experiences per year	21 activities & 9 learning experiences to advance; may take 3 years to complete level
Rabbit – Level 3	All Ears	7 activities & 3 learning experiences per year	21 activities & 9 learning experiences to advance; may take 3 years to complete level
Rabbit Breeding	Cascade County 4-H Breeding Project Activity Book	Meet project level requirements for species and do 1 activity from Breeding Project Activity Book in your age category per year	May take several years to complete
Sheep			
Sheep – Level 1	Lambs, Rams, and You	7 activities & 3 learning experiences per year	21 activities & 9 learning experiences to advance; may take 3 years to complete level
Sheep – Level 2	Shear Delight	7 activities & 5 learning experiences per year	21 activities & 15 learning experiences to advance; may take 3 years to complete level
Sheep – Level 3	Leading the Flock	7 activities & 5 learning experiences per year	21 activities & 15 learning experiences to advance; may take 3 years to complete level
Sheep Breeding	Cascade County 4-H Breeding Project Activity Book	Meet project level requirements for species and do 1 activity from Breeding Project Activity Book in your age category per year	May take several years to complete
Swine			
Swine – Level 1	The Incredible Pig	7 activities & 3 learning experiences per year	21 activities & 9 learning experiences to advance; may take 3 years to complete level
Swine – Level 2	Putting the Oink in Pig	7 activities & 5 learning experiences per year	21 activities & 15 learning experiences to advance; may take 3 years to complete level
Swine – Level 3	Going Whole Hog	7 activities & 5 learning experiences per year	21 activities & 15 learning experiences to advance; may take 3 years to complete level
Swine Breeding	Cascade County 4-H Breeding Project Activity Book	Meet project level requirements for species and do 1 activity from Breeding Project Activity Book in your age category per year	May take several years to complete
Veterinary Science			
Veterinary Science – Level 1	From Airedales to Zebras	Identify at least 4 goals & 7 activities per year	12 Goals & 21 activities to advance; may take 3 years to complete level
Veterinary Science – Level 2	All Systems Go!	Identify at least 4 goals & 7 activities per year	12 Goals & 21 activities to advance; may take 3 years to complete level
Veterinary Science – Level 3	On the Cutting Edge	Identify at least 4 goals & 7 activities per year	12 Goals & 21 activities to advance; may take 3 years to complete level
Judging			
Horse Judging	New Mexico 4-H Horse Judging Manual	3 learning experiences per year	Must submit 3 NEW learning experiences per year; may be repeated, no limit
Livestock Judging	South Dakota State University Livestock Judging Manual, other online materials	3 learning experiences per year	Must submit 3 NEW learning experiences per year; may be repeated, no limit

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**** ENGINEERING AND TECHNOLOGY ****			
Aerospace			
Aerospace – Level 2	<i>First year member starts here; Lift Off</i>	7 activities & 3 learning experiences per year	20 activities & 9 learning experiences to advance; may take 3 years to complete level
Aerospace – Level 3	Reaching New Heights	7 activities & 3 learning experiences per year	20 activities & 9 learning experiences to advance; may take 3 years to complete level
Aerospace – Level 4	Pilot in Command	7 activities & 3 learning experiences per year	20 activities & 9 learning experiences to advance; may take 3 years to complete level
Agricultural Tractors & Equipment – County Project			
Agricultural Tractors and Equipment - Level A	Learning More Level, A	6 activities and 1 learning experience per year	12 activities and 2 learning experience; may take 2 years to complete
Agricultural Tractors and Equipment - Level B	Learning More Level B	5 activities and 1 learning experience per year	11 activities and 2 learning experiences; may take 2 years to complete
Agricultural Tractors and Equipment - Level C	Learning More Level C	6 activities and 1 learning experience per year	12 activities and 2 learning experiences; may take 2 years to complete
Agricultural Tractors and Equipment - Level D	Learning More Level D	3 activities and 1 learning experience per year	6 activities and 2 learning experiences; may take 2 years to complete project
Computer Science & Programming – County Project			
Computer Science & Programming Level 1	Fundamentals	7 activities and 1 learning experience per year	21 activities and 3 learning experience; may take 3 years to complete
Computer Science & Programming Level 2	Explorations	6 activities and 1 learning experience per year	12 activities and 2 learning experiences; may take 2 years to complete
Computer Science & Programming Level 3	Recursion	7 activities and 1 learning experience per year	20 activities and 3 learning experiences; may take 3 years to complete
Electricity			
Electricity – Level 1	The Magic of Electricity	3 required and 4 optional activities & 2 leadership experiences per year	21 activities & 6 leadership experiences to advance; may take 3 years to complete level
Electricity – Level 2	Investigating Electricity	3 required and 4 optional activities & 2 leadership experiences per year	21 activities & 6 leadership experiences to advance; may take 3 years to complete level
Electricity – Level 3	Wired for Power	3 required and 4 optional activities & 2 leadership experiences per year	21 activities & 6 leadership experiences to advance; may take 3 years to complete level
Electricity – Level 4	Entering Electronics	3 required and 4 optional activities & 2 leadership experiences per year	21 activities & 6 leadership experiences to advance; may take 3 years to complete level
Robotics			
Introduction to Modern Microcontrollers	SparkFun Inventor’s Kit – V3.2.0 Family Funded	7 activities & 1 challenge per 4-H year	16 activities & 3 challenges to complete; may take 3 years to complete project
Robotics with EV3 – Level 1	Robotics 1-EV3	6 activities, 2 learning experiences, & 2 leadership/citizenship activities per year	12 activities, 4 learning experiences & 4 leadership/citizenship activities to complete. May take 2 years to complete
Junk Drawer Robotics – Level 1	Give Robots a Hand	9 activities and one learning experience per year	18 activities and 2 learning experiences to advance; may take 2 years to complete level
Junk Drawer Robotics – Level 2	Robots on the Move	9 activities and one learning experience per year	18 activities and 2 learning experiences to advance; may take 2 years to complete level
Junk Drawer Robotics – Level 3	Mechatronics	9 activities and one learning experience per year	18 activities and 2 learning experiences to advance; may take 2 years to complete level
Small Engines			
Small Engines – Level 1	Crank it Up!	7 activities and 2 learning experiences per year	21 activities and 6 learning experiences to advance; may take 3 years to complete level
Small Engines – Level 2	Warm it Up!	7 activities and 2 learning experiences per year	21 activities and 6 learning experiences to advance; may take 3 years to complete level
Small Engines – Level 3	Tune it Up!	7 activities and 2 learning experiences per year	21 activities to advance and 6 learning experiences; may take 3 years to complete level
Welding			
Welding <i>Must have a Project Leader</i>	Arcs & Sparks: Shielded Metal Arc Welding	Complete Project Book	Project to be completed in 1 year

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Woodworking			
Woodworking – Level 1	Measuring Up	7 activities & 2 leadership experiences per year	21 activities & 6 leadership experiences to advance; may take 3 years to complete level
Woodworking – Level 2	Making the Cut	7 activities & 2 leadership experiences per year	21 activities & 6 leadership experiences to advance; may take 3 years to complete level
Woodworking – Level 3	Nailing it Together	7 activities & 2 leadership experiences per year	21 activities & 6 leadership experiences to advance; may take 3 years to complete level
Woodworking – Level 4	Finishing Up	7 activities & 2 leadership experiences per year	21 activities & 6 leadership experiences to advance; may take 3 years to complete level
**** ENVIRONMENTAL AND NATURAL SCIENCE ****			
Beekeeping – County Project			
Beekeeping Level 1	Understanding the Honeybee, The New Starting Right with Bees (<i>family funded</i>)	Complete the Division I Book and participate in 1 learning experience	Book can be completed in one year.
Beekeeping Level 2	Working with Honeybees	Complete the Division II Book and participate in 1 learning experience	Book can be completed in one year.
Beekeeping Level 3	Advanced Beekeeping Methods	Complete the Division III Book and participate in 1 learning experience	Book can be completed in one year.
Entomology			
Entomology – Level 1	Teaming with Insects, Level 1	8 activities & 2 leadership experiences per year	16 activities & 4 leadership experiences to advance; may take 2 years to complete level
Entomology – Level 2	Teaming with Insects, Level 2	8 activities & 2 leadership experiences per year	16 activities & 4 leadership experiences to advance; may take 2 years to complete level
Entomology – Level 3	Teaming with Insects, Level 3	7 activities & 2 leadership experiences per year	15 activities & 4 leadership experiences to advance; may take 2 years to complete level
Forestry			
Forestry – Level 1	Follow the Path	6 activities and one learning experience per year	18 activities and 3 learning experiences to advance; may take 3 years to complete level
Forestry – Level 2	Reach for the Canopy	6 activities and one learning experience per year	18 activities and 3 learning experiences to advance; may take 3 years to complete level
Forestry – Level 3	Explore the Deep Woods	6 activities and one learning experience per year	18 activities and 3 learning experiences to advance; may take 3 years to complete level
Outdoor Adventures			
Outdoor Adventures – Level 1	Hiking Trails	6 activities and one learning experience per year	10 <i>Hiking Trails</i> and 10 <i>Reach the Peak</i> activities to advance; may take 3 years to complete level
Outdoor Adventures – Level 2	Camping Adventures	6 activities and one learning experience per year	10 <i>Camping Adventures</i> activities and 10 <i>Reach the Peak</i> activities to advance; may take 3 years to complete level
Outdoor Adventures – Level 3	Backpacking Expeditions	6 activities and one learning experience per year	10 <i>Backpacking Expeditions</i> activities and 10 <i>Reach the Peak</i> activities to complete; may take 3 years to complete level
Shooting Sports – Must participate in Shooting Sports Practices			
Air Pistol	4-H Pistol Member Record Book	Complete a project book within the first 3 years of participation; after project book is complete, master 3 skills on the Cascade County 4-H Shooting Sports Skills Sheet; 1 service-learning activity or learning experience	N/A

PROJECT	PROJECT BOOK TITLE	ACTIVITIES REQUIRED (Minimum per year)	ACTIVITIES REQUIRED (Total to advance level or complete project)
Shooting Sports (cont.)			
Small Bore Pistol (.22)	4-H Pistol Member Record Book	Complete a project book within the first 3 years of participation; after project book is complete, master 3 skills on the Cascade County 4-H Shooting Sports Skills Sheet; 1 service-learning activity or learning experience	N/A
Air Rifle	4-H Rifle Member Record Book	Complete a project book within the first 3 years of participation; after project book is complete, master 3 skills on the Cascade County 4-H Shooting Sports Skills Sheet; 1 service-learning activity or learning experience	N/A
Small Bore Rifle (.22)	4-H Rifle Member Record Book	Complete a project book within the first 3 years of participation; after project book is complete, master 3 skills on the Cascade County 4-H Shooting Sports Skills Sheet; 1 service-learning activity or learning experience	N/A
BB Gun Safety	4-H Rifle Member Record Book	Complete a project book within the first 3 years of participation; after project book is complete, master 3 skills on the Cascade County 4-H Shooting Sports Skills Sheet; 1 service-learning activity or learning experience	N/A
Archery	4-H Archery Member Record Book	Complete a project book within the first 3 years of participation; after project book is complete, master 3 skills on the Cascade County 4-H Shooting Sports Skills Sheet; 1 service-learning activity or learning experience	N/A
Shotgun	4-H Shotgun Member Record Book	Complete a project book within the first 3 years of participation; after project book is complete, master 3 skills on the Cascade County 4-H Shooting Sports Skills Sheet; 1 service-learning activity or learning experience	N/A
Hunting	4-H Hunting/Wildlife Member Record Book	Complete a project book within the first 3 years of participation; after project book is complete, master 3 skills on the Cascade County 4-H Shooting Sports Skills Sheet; 1 service-learning activity or learning experience	N/A
MT 4-H Western Heritage Project	4-H Western Heritage Project Youth Activity Guide, Levels 1-3	Complete Project one project level activities, learning experiences, and leadership activities per year. Book contains three levels	Completing all three levels will complete the project. More advanced levels goals will be decided by self-determined criteria.
Sport Fishing			
Sport Fishing – Level 1	Take the Bait	6 activities & 3 learning experiences per year	18 activities & 9 learning experience to advance; may take 3 years to complete level
Sport Fishing – Level 2	Reel in the Fun	6 activities & 3 learning experiences per year	18 activities & 9 learning experience to advance; may take 3 years to complete level

Sport Fishing – Level 3	Cast into the Future	6 activities & 3 learning experiences per year	18 activities & 9 learning experience to advance; may take 3 years to complete level
PROJECT	PROJECT BOOK TITLE	ACTIVITIES REQUIRED (Minimum per year)	ACTIVITIES REQUIRED (Total to advance level or complete project)
Wildlife			
Wildlife – Level 1	Wildlife Science Level 1	Identify 12 species	Complete 10 sections to complete level; to be completed in 1 year
**** FAMILY AND CONSUMER SCIENCES ****			
Babysitting			
Babysitting	Do I Have What It Takes to be Your Babysitter	Complete Book, First Aid & CPR Certification	Project to be completed in 1 year, may take 2 years if necessary
Family Adventures			
Family Adventures	Family Adventures	7 adventures from the project book	Project to be completed in 1 year
Interior Design			
Interior Design – Level 1	Design Decisions; One Book contains all four levels/sections; also available on CD	1 activity from Section 1 and 1 learning experience per year	2 activities Section 1 and 2 learning experiences to advance; may take 2 years to complete level
Interior Design – Level 2	Design Decisions; One Book contains all four levels/sections; also available on CD	1 activity Section 2 and 1 learning experience per year per year	3 activities from Section 2 and 3 learning experiences to advance; may take 3 years to complete level
Interior Design – Level 3	Design Decisions; One Book contains all four levels/sections; also available on CD	1 activity Section 3 and 1 learning experience per year	2 activities from Section 3 and 2 learning experiences to advance; may take 2 years to complete level
Interior Design – Level 4	Design Decisions; One Book contains all four levels/sections; also available on CD	1 activity from Section 4 and 1 learning experience per year	2 activities from Section 4 and 3 learning experiences to advance; may take 3 years to complete level
**** HANDWORK AND READY-TO-WEAR ****			
Sewing & Textiles			
Sewing – Level 1	STEAM Clothing 1: Fundamentals & Maker's Guide to Sewing Stuff; Sew Exciting, Level 1	4 lessons in <i>Fundamental</i> , complete 3 projects from the <i>Maker's Guide</i> , and 1 learning experience per year	12 lessons in <i>Fundamentals</i> , 9 projects from the <i>Maker's Guide</i> , and 3 learning experiences to advance; may take 3 years to complete level
Sewing – Level 2	STEAM Clothing 2: Simply Sewing	4 lessons in <i>Simply Sewing</i> , complete 3 projects, and 1 learning experience per year	12 lessons in <i>Fundamentals</i> , 9 projects, and 3 learning experiences to advance; may take 3 years to complete level
Sewing – Level 3	STEAM Clothing 3: A Stitch Further	4 lessons in <i>A Stitch Further</i> , 1 project per year, and 1 learning experience	12 lessons, 3 projects, and 3 learning experiences to complete; may take 3 years to complete level
Knitting			
Knitting 1 – Beginner	University of Kentucky Knitting Project Book and Beginner Factsheet	Complete the final project from the "Knit One and Purl, Too!" section of the project book and 2 learning experiences	Level to be completed in 1 year
Knitting 2 – Intermediate	University of Kentucky Knitting Project Book and Intermediate Factsheet	Complete the final project from the "Keep on Knitting" section of the project book and 2 learning experiences	Level to be completed in 1 year
Knitting 3 - Advanced	University of Kentucky Knitting Project Book and Advanced Factsheet	Complete the final project from the "Knitter's Choice" section of the project book and 2 learning experiences	Level to be completed in 1 year

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Crochet			
Crochet Beginner	University of Kentucky Crochet Project Book and Factsheet; Crochet 4-H Project Guidelines	Master 1 stitch from the activity book and complete 1 project or sample swatch of stitches per year	Master 3 stitches from activity book and 2 projects to advance level; may take 2 years to complete level
Crochet Intermediate	University of Kentucky Crochet Project Book and Factsheet; Crochet 4-H Project Guidelines	Master 1 NEW stitch from the activity book or outside resource book and complete 1 project per year	Master 3 NEW stitches from activity book or outside resource book and 2 projects to advance level; may take 2 years to complete level
Crochet Advanced	University of Kentucky Crochet Project Book and Factsheet; Crochet 4-H Project Guidelines	Master 1 NEW stitch from the activity book or outside resource book and complete 1 large project or 2 small projects per year	Master 3 NEW stitches from activity book or outside resource book and 1 large project or 2 small projects to complete; may take 2 years to complete project
Embroidery			
Embroidery Beginner	University of Kentucky Embroidery Project Book and Beginner Factsheet	1 project from the "Embroidery 101" section of the project book and 1 learning experiences per year	3 projects from the "Embroidery 101" section of the project book and 3 learning experiences to advance level; may take 3 years to complete level
Embroidery Intermediate	University of Kentucky Embroidery Project Book and Intermediate Factsheet	1 project from the "More Embroidery 201" section of the project book and 1 learning experiences per year	3 projects from the "More Embroidery 201" section of the project book and 3 learning experiences to advance level; may take 3 years to complete level
Embroidery Advanced	University of Kentucky Embroidery Project Book and Advanced Factsheet	1 project from the "Creative Embroidery 301" section of the project book and 1 learning experience per year	3 projects from the "Creative Embroidery 301" section of the project book and 3 learning experiences to complete; may take 3 years to complete level
Shopping in Style			
Shopping in Style	Shopping in Style	7 lessons from Unit of your choice and 1 learning experience per year	21 lessons from Units of your choice and 3 learning experiences to complete project; may take 3 years to complete project
Quilting/Patchwork/Applique			
Quilting – Level 1	You Can Quilt!	Minimum 3 activities, 1 learning experience, 1 leadership activity per year	7 activities, 2 learning experiences, 2 leadership activities, and write a project summary to advance level; may take 2 years to complete level
Quilting – Level 2	Quilt Quest Project Block 1, Creative Corners CD	Complete 1 project in Block level 1	Complete 2 projects in Block level 1 to advance level; may take 2 years to complete level
Quilting – Level 3	Quilt Quest Project Block 2, Terrific Triangles CD	Complete 1 project in Block level 2	Complete 2 projects in Block level 2 to complete level; may take 2 years to complete level
**** PLANT SCIENCES ****			
Crop Science			
Small Grains Division 1	Small Grains: Wheat, Oat, Barley, or Rye	3 Division 1 exercises per year and make a project plan	3 Division 1 exercises and project plan to advance level
Small Grains Division 2	Small Grains: Wheat, Oat, Barley, or Rye	3 Division 2 exercises per year and make or update Level 1 project plan	3 Division 2 exercises and current project plan to advance level
Small Grains Division 3	Small Grains: Wheat, Oat, Barley, or Rye	3 Division 3 exercises per year and make or update project plan	3 Division 3 exercises and submit current project plan to advance level
Small Grains Division 4	Small Grains: Wheat, Oat, Barley, or Rye	3 Division 4 exercises per year and make or update project plan	3 Division 4 exercises and submit current project plan to complete level
Small Grains Division 5	Small Grains: Wheat, Oat, Barley, or Rye	3 Division 5 exercises per year and make or update project plan	3 Division 5 exercises and submit final project plan to complete level

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Gardening			
Gardening Level A	See Them Sprout	3 activities, complete the record sheet, and 1 learning experience per year, <i>Digging deeper section is optional</i>	6 activities, updated record sheet, and 2 learning experiences to advance level; may take 2 years to complete level
Gardening Level B	Let's Get Growing	3 activities, complete the record sheet, and 1 learning experience per year, <i>Digging deeper section is optional</i>	6 activities, updated record sheet, and 2 learning experiences to advance level; may take 2 years to complete level
Gardening Level C	Take Your Pick	3 activities, complete the record sheet, and 1 learning experience per year, <i>Digging deeper section is optional</i>	9 activities, updated record sheet, and 3 learning experiences to advance level; may take 3 years to complete level
Gardening Level D	Growing Profits	3 activities, complete the record sheet, and 1 learning experience per year, <i>Digging deeper section is optional</i>	9 activities, updated record sheet, and 3 learning experiences to complete; may take 3 years to complete level
Range Science Management			
Range Science Management Year One	Range Science CD; Range Plant Labels	3 activities & collect and identify 10 rangeland plants	Must meet minimum annual requirement to advance
Range Science Management Year Two	Range Science CD; Range Plant Labels	3 activities, collect and identify 10 ADDITIONAL rangeland plants	Must meet minimum annual requirement to advance
Range Science Management Year Three	Range Science CD; Range Plant Labels	2 activities, collect and identify 10 ADDITIONAL rangeland plants	Must meet minimum annual requirement to advance
Weed Science			
Weed Science Level 1 (youth 11-13 years old)	Weed Science Level 1	5 activities per year	14 activities and one "more challenges" to advance level; may take 3 years to complete level; collect 25 weed samples before completing the level
*** COMMUNICATIONS AND EXPRESSIVE ARTS ***			
Cowboy Poetry			
Cowboy Poetry	Spurrin' the Words	Write 3 original poems composed of at least 4-line stanzas and demonstrate a specific rhyme pattern in original verse per year	Project may be repeated as often as desired; NEW poems must be used every year
American Sign Language – County Project			
American Sign Language – Self Determined	No Project Book	This is considered a Self-Determined project. The Self-Determined application process must be followed.	May be repeated a limitless number of times with new goals & experiences approved by the County Agent annually.
Leathercraft			
Leathercraft Level 1	4-H Intro to Leathercraft & Creative Stamping	Select & Tool 1 article, practice simple lacing, finishing and assembly of leather and 1 learning experience per year	2 articles and 2 learning experiences to advance level; may take two years to complete level
Leathercraft Level 2	Beginning Leather Carving	Select, carve and tool 1 article and 1 learning experience per year	2 articles and 2 learning experiences to advance level; may take two years to complete level
Leathercraft Level 3-7	4-H Leathercraft, Levels 3-7	Select, carve & tool two or more articles using a method from the following: inverted carving techniques, beginning dyeing, lining, simple molding and shaping or hand stitching and 1 learning experience per year	2 articles AND 2 learning experiences to advance level; may take two years to complete level; articles at each level must be NEW (may not submit the same article multiple times)
Leathercraft Level 8-10	4-H Leathercraft, Levels 8-10	Tool two or more articles or a matching set using creative stamping and 1 learning experience per year	Tool 2 articles using creative stamping design AND 2 learning experiences to advance level; articles at each level must be NEW (may not submit the same article multiple times)

PROJECT	PROJECT BOOK TITLE	ACTIVITIES REQUIRED (Minimum per year)	ACTIVITIES REQUIRED (Total to advance level or complete project)
Photography			
Photography Level 1	Photography Basics	Explore each of the 4 Project areas (equipment, lighting, composition & skill building), participate in 2 organized project experiences and 2 leadership/citizenship activities per year	May be repeated, no limit
Photography Level 2	Next Level Photography	Explore each of the 4 Project areas (equipment, lighting, composition & skill building), participate in 2 organized project experiences and 2 leadership/citizenship activities per year	May be repeated, no limit
Photography Level 3	Mastering Photography	Explore each of the 4 Project areas (equipment, lighting, composition & skill building), participate in 2 organized project experiences and 2 leadership/citizenship activities per year	May be repeated, no limit
Videography Level 4	Movie Magic	5 activities in a unit and 1 learning experience.	Complete the units and create a video that has a script and used storyboard techniques that demonstrate digital storytelling and follow the rubric requirements in the book. May take 4 years to complete.
Visual Arts			
Get Started in Art	Get Started in Art	4 activities and 1 learning experience per year	11 activities and 3 learning experiences to complete; may take 3 years to complete
Drawing, Fiber & Sculpture	Sketchbook Crossroads	3 activities and 1 learning experience per year	6 activities and 2 learning experiences to complete; may take 2 years to complete
Painting, Printing, and Graphic Design	Portfolio Pathways	4 activities and 2 learning experiences per year	12 activities and 6 learning experiences to complete; may take 3 years to complete
Scrapbooking			
Scrapbooking	Scrapbooking: a 4H Guide to Preserving Memories	2 activities and 2 learning experiences per year	8 activities and 8 learning experiences to complete; may take 4 years to complete
**** LEADERSHIP AND PERSONAL DEVELOPMENT ****			
Citizenship			
Navigating Citizenship Level 1 (For Middle School Youth)	Navigating Citizenship, Agents of Change	1 activity in Montana Government section and take a service-learning project per year	3 activities in Montana Government section, complete the process of writing a bill, and 3 service-learning projects to complete; may take 3 years to complete
Navigating Citizenship Level 2 (For High School Youth)	Navigating Citizenship, Raise Your Voice	2 activities related to Federal or Tribal Governments and take a service-learning project per year	5 activities related to Federal or Tribal Governments and take 3 service-learning projects to complete; may take 3 years to complete
Global Citizenship Level 1	Passport to Your World	Unit 1: Year 1 complete at least 7 activities, Year 2 complete a cultural study	May be completed in 2 years or less
Global Citizenship Level 2	Passport to Your World	Unit 2: 3 activities and ask your family to host an international exchange delegate (ages 10+) and 1 learning experience	To be completed in one year
Global Citizenship Level 3	Passport to Your World	Unit 3: 3 activities, travel with 4-H to another state or country as an exchange delegate (for high school youth, age 14+) AND 1 learning experience	To be completed in one year
Interstate Exchange/Hosting	4-H Interstate Exchange Youth Guide	<i>For current Cascade County Exchange members; complete as directed by County Agent</i>	

PROJECT	PROJECT BOOK TITLE	ACTIVITIES REQUIRED (Minimum per year)	ACTIVITIES REQUIRED (Total to advance level or complete project)
Leadership – 13 years and Older			
Leadership Level 1	Learning to Lead	Complete one activity from each chapter (1-6) and complete one aspect of your plan of action	Complete all activities and your plan of action; may take 3 years to complete
Leadership Level 2	Leading to Learn	Complete 2 chapter activities (chapters 1-6) and complete one aspect of your plan of action	Complete all chapter activities and your plan of action may take 3 years to complete
**** FOODS ****			
Cake Decorating			
Cake Decorating Level 1 - 3	4-H Cake Decorating	Master 7, level specific items, from the <i>Decorating Skills and Techniques</i> chart on pages 3-8 per year	3 project goals and master the minimum number of required items in each decorating level before moving on to the next level; may take 3 years to complete
Cake Decorating Level 4	4-H Cake Decorating	Create an original design using the techniques learned in levels 1-3 and 1 learning experience	Self-Determined to be completed in one year
Dutch Oven Cooking – County Project			
Dutch Oven Cooking	Project Manual Unit 1	Complete all project requirements from page 4 of the Manual	Complete yearly requirements to complete. This project may be repeated year after year.
Foods and Nutrition			
Cooking 101	4-H Cooking 101	1 dish/recipe per section, 1 learning experience, and 1 community service project per year	2 dishes/recipes per section, 2 learning experiences, and 2 community service projects to advance level; may take 2 years to complete level
Cooking 201	4-H Cooking 201	1 dish/recipe per section, 1 learning experience, 1 community service project per year, and 1 informal demonstration per year	2 dish/recipe per section, 2 learning experience, 2 community service project per year, and 2 informal demonstration to advance; may take 2 years to complete level
Cooking 301	Cooking 301	1 dish/recipe per section, 1 "How To" demonstration, 1 Food Science experiment, and 1 community service project per year	2 dishes/recipes per section, 3 "How To" demonstrations, 2 Food Science experiments, and 2 community service projects to advance level; may take 2 years to complete level
Cooking 401	Cooking 401	1 dish/recipe per section, 1 "How To" demonstration, 1 Food Science experiment, and 1 community service project per year	2 dishes/recipes per section, 3 "How To" demonstrations, 2 Food Science experiments, and 2 community service projects to advance level; may take 2 years to complete level
Baking 1	Baking 1	7 activities and 1 learning experience per year	Complete activities in book and 2 learning experiences to advance level; may take 2 years to complete level
Baking 2	Baking 2	7 activities and 1 learning experience per year	Complete activities in book and 2 learning experiences to advance level; may take 2 years to complete level
Baking 3	Baking 3	7 activities and 1 learning experience per year	Complete activities in book and 2 learning experiences to advance level; may take 2 years to complete level
Baking 4	Baking 4	7 activities and 1 learning experience per year	Complete activities in book and 2 learning experiences to advance level; may take 2 years to complete level
Food Preservation	Canning and Freezing	3 activities, 1 learning experience, and 1 leadership/citizenship activity per year	7 activities, 2 learning experiences, 2 leadership/citizenship activities to complete
**** CLOVERBUDS ****			
Cloverbuds			
Cloverbuds	Cloverbud Record Books A, B, & C	Cloverbud only	Cloverbud not required to turn in Record Books
Exploring 4-H	Exploring the Treasures of 4-H: Fun, Friends, and Learning	Cloverbud only	Cloverbud not required to turn in Record Books

PROJECT	PROJECT BOOK TITLE	ACTIVITIES REQUIRED (Minimum per year)	ACTIVITIES REQUIRED (Total to advance level or complete project)
*** ADVANCED AND Self Determine ***			
Advanced and Self-Determined			
Advanced	You Decide	This project is taken when youth have completed all other available levels of a project. Goals and outline must be submitted and approved by the County Agent no later than January 15 of the current 4-H year.	3 activities, 2 learning experiences, and 1 leadership/citizenship experience per year; may be repeated a limitless number of times with new goals & experiences approved by the County Agent annually.
Self-Determined	You Decide	This project can cover any subject and may be related to any current 4-H project. Goals and outline must be submitted and approved by the County Agent no later than January 15 of the current 4-H year.	3 activities, 2 learning experiences, and 1 leadership/citizenship experience per year; may be repeated a limitless number of times with new goals & experiences approved by the County Agent annually.