

2018 Project Requirements

Project Number and Name	Skill Level*	Project Completion Requirements	County Requirements	State Fair Requirements (See State Fair Guidebook for complete rules)
About 4-H				
91 Discovering 4-H	B	<ul style="list-style-type: none"> All activities in 9 interest areas Project summary 	<ul style="list-style-type: none"> Completed project book Poster/Display showing one activity 	No State Fair Event
Animal Sciences				
Companion Animals				
200 All About Dogs	B	<ul style="list-style-type: none"> All 8 activities and Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project Review 	<ul style="list-style-type: none"> Completed project book Poster/Display showing one activity 	Companion Animal Day <ul style="list-style-type: none"> No Animal Display
201 Dog Project & Record Book	X	<ul style="list-style-type: none"> Project animal by required date Project goals Member Project Guide, Dog Care and Welfare, and Animal Records sections Club or county level project review 		See "Jr. Livestock" events under the Competitions tab at www.ohiostatefair.com . See also http://4hansci.osu.edu .
202 Dog Achievement Program (DAP)	X	<ul style="list-style-type: none"> To earn a certificate, choose 3 topic areas within one category and complete all 5 activities with each selected topic area, for a total of 15 activities. For more details, see project book or www.ohio4h.org/DAP. 		No State Fair Event
215 Cavy Project	X	<ul style="list-style-type: none"> Project animal by required date Project goals and objectives Member Project Guide, animal care and welfare activities, and animal records At least 5 of the learning activities At least 2 learning experiences 	<ul style="list-style-type: none"> Completed project book Bring animal with cage/leash and/or Educational Display 	Companion Animal Day <ul style="list-style-type: none"> No Animal Display



		<ul style="list-style-type: none"> At least 2 leadership/citizenship activities 		
216 Purr-fect Pals, Level 1	B	<ul style="list-style-type: none"> Cat-a-logue Your Knowledge evaluation, before and after project At least 7 activities each year 	<ul style="list-style-type: none"> Completed project book Bring animal with cage/leash and/or Educational Display 	Companion Animal Day <ul style="list-style-type: none"> No Animal Display
217 Climbing Up! Level 2	I	<ul style="list-style-type: none"> Cat-a-logue Your Knowledge evaluation, before and after project At least 7 activities each year 	<ul style="list-style-type: none"> Completed project book Bring animal with cage/leash and/or Educational Display 	Companion Animal Day <ul style="list-style-type: none"> No Animal Display
218 Leaping Forward, Level 3	A	<ul style="list-style-type: none"> Cat-a-logue Your Knowledge evaluation, before and after project At least 7 activities each year 	<ul style="list-style-type: none"> Completed project book Bring animal with cage/leash and/or Educational Display 	Companion Animal Day <ul style="list-style-type: none"> No Animal Display
220 Pocket Pets Project	X	<ul style="list-style-type: none"> Project animal by required date Project goals and objectives Member Project Guide, animal care and welfare activities, and animal records At least 5 of the learning activities At least 2 learning experiences At least 2 leadership/citizenship activities 	<ul style="list-style-type: none"> Completed project book Bring animal with cage/leash and/or Educational Display 	Companion Animal Day <ul style="list-style-type: none"> No Animal Display
227 Pet Rabbit Project	X	<ul style="list-style-type: none"> Project animal by required date At least 1 topic of interest At least 8 activities At least 2 project experiences At least 2 leadership/citizenship activities Quality Assurance and Rabbit Records sections Club or county level project review 	<ul style="list-style-type: none"> Completed project book Bring animal with cage/leash and/or Educational Display 	Companion Animal Day <ul style="list-style-type: none"> No Animal Display
230 4-H PetPALS Project	X	<ul style="list-style-type: none"> Project animal by required date Project Goals and Objectives At least 2 project experiences Other animal project records Must be enrolled in a PetPALS program under the direction of a master 4-H PetPALS leader 	<ul style="list-style-type: none"> Completed project book Bring animal with cage/leash and/or Educational Display 	Companion Animal Day <ul style="list-style-type: none"> Animal Display

Project Number and Name	Skill Level*	Project Completion Requirements	County Requirements	State Fair Requirements (See State Fair Guidebook for complete rules)
365.13 Self Determined – Reptiles and Amphibians		<ul style="list-style-type: none"> • Topic identification • At least 3 areas of interest, each with at least 3 activities • At least 2 learning experiences • At least 2 leadership/citizenship experiences • Project summary 	<ul style="list-style-type: none"> • Completed project book • Educational Display or Poster 	Companion Animal Day <ul style="list-style-type: none"> • No Animal • Display
365.26-28 Self Determined – Hedgehogs, Ferrets, Chinchillas, etc.		<ul style="list-style-type: none"> • Topic identification • At least 3 areas of interest, each with at least 3 activities • At least 2 learning experiences • At least 2 leadership/citizenship experiences • Project summary 	<ul style="list-style-type: none"> • Completed project book • Educational Display or Poster 	Companion Animal Day <ul style="list-style-type: none"> • No Animal • Display
Horses				
173 Horseless Horse	B	<ul style="list-style-type: none"> • Planning Your Project section • At least 4 interest areas • All recommended activities in your selected interest areas • At least 2 organized activities • At least 2 leadership/citizenship activities • One-page report 	<ul style="list-style-type: none"> • Completed project book • Poster/Display showing one interest area 	No State Fair Event
Veterinary Science				
224 From Airedales to Zebras, Level 1	B	<ul style="list-style-type: none"> • Set goals and record project highlights • At least 7 activities each year • At least 21 of the activities in three years • Complete the “Whaddya Know?” survey before and after activities • Project evaluation 	<ul style="list-style-type: none"> • Completed project book • Educational Display/Poster 	STEM Day <ul style="list-style-type: none"> • Display

245 All Systems Go! Level 2	I	<ul style="list-style-type: none"> • Set goals and record project highlights • At least 7 activities each year • At least 21 of the activities in three years • Complete the “Whaddya Know?” survey before and after activities • Project evaluation 	<ul style="list-style-type: none"> • Completed project book • Educational Display/Poster 	<p style="text-align: center;">STEM Day</p> <ul style="list-style-type: none"> • Display
246 On the Cutting Edge, Level 3	A	<ul style="list-style-type: none"> • Set goals and record project highlights • At least 7 activities each year • At least 21 of the activities in three years • Complete the “Whaddya Know?” survey before and after activities • Project evaluation 	<ul style="list-style-type: none"> • Completed project book • Educational Display/Poster 	<p style="text-align: center;">STEM Day</p> <ul style="list-style-type: none"> • Display

Clothing and Textiles

409 Sew Fun!	B	<ul style="list-style-type: none"> • All 5 project areas • At least 2 learning experiences • At least 2 leadership/citizenship activities • A pin cushion and fully elastic-waisted skirt, shorts, pants, or capris • Project review 	<ul style="list-style-type: none"> • One item made with Beginner or Easy pattern (Skirt, Shorts, Pants, Capris with full elastic) and accessories to complete total look • Completed project book 	<p style="text-align: center;">Clothing Days</p>
410 Designed by Me	B	<ul style="list-style-type: none"> • All 8 activities, including Talking It Over questions • At least 2 learning experiences • At least 2 leadership/citizenship activities • Decorate (or embellish) a T-shirt, sweatshirt, button-down shirt, or simple jacket • Project Review • Project Record 	<ul style="list-style-type: none"> • Top (T-Shirt, Sweatshirt, Shirt or jacket decorated) with total look outfit • Completed project book 	<p style="text-align: center;">Clothing Days</p>

Project Number and Name	Skill Level*	Project Completion Requirements	County Requirements	State Fair Requirements (See State Fair Guidebook for complete rules)
411 embellish: A 4-H Guide to Wearable Art	I	<ul style="list-style-type: none"> • All 10 activities and 3 journal pages • At least 1 embellished garment • At least 2 learning experiences • At least 2 leadership/citizenship activities • Project review 	<ul style="list-style-type: none"> • Total outfit including the piece that was embellished • 3 Embellished samples you tried • Completed project book 	Clothing Days
413 Sundresses and Jumpers	B	<ul style="list-style-type: none"> • All 5 project areas • At least 2 learning experiences • At least 2 leadership/citizenship activities • A sundress or jumper • Project review 	<ul style="list-style-type: none"> • Sundress or Jumper (work with blouse or shirt) and items to complete look • Completed project book 	Clothing Days
419 Tops for Tweens	B	<ul style="list-style-type: none"> • All 4 interest areas • At least 2 learning experiences • At least 2 leadership/citizenship activities • One-page report and a project evaluation 	<ul style="list-style-type: none"> • Top made and garment/accessories to complete total look • Completed project book 	Clothing Days
424 Clothing for Middle School	I, ages 10-14	<ul style="list-style-type: none"> • All 5 interest areas • At least 1 garment with sleeves or a skirt or pants plus a top such as a vest, collarless jacket, sweater, blouse, or other top, with or without sleeves • At least 1 additional organized activity, 1 leadership/citizenship activity and 1 career experience. • Project evaluation and project summary 	<ul style="list-style-type: none"> • Outfit (garment with sleeve or 2-piece garment) made and accessories to complete total look • Completed project book 	Clothing Days
416 Clothes for High School and College	A	<ul style="list-style-type: none"> • All 5 major areas • At least 2 additional organized activities • At least 2 leadership/citizenship activities • A wardrobe inventory • At least 1 outfit with a minimum of 2 pieces or a 1-piece garment with sleeves, plus some other style detail not tried before • Repair at least 3 items from your wardrobe • Project summary 	<ul style="list-style-type: none"> • One (minimum of 2 pieces) made and accessories to complete total look • Completed project book 	Clothing Days

407 Accessories for Teens	B, ages 13+	<ul style="list-style-type: none"> • All 4 interest areas • At least 1 additional 4-H activity • At least 1 leadership/citizenship experience • Wardrobe evaluation and accessories to complement at least 1 outfit • At least 1 accessory: bag/purse, belt/cummerbund, footwear/shoe covers, hat, gloves, jewelry, removable collar/dickey/jabot, scarf/tie, muffler/shawl, socks/hosiery, or suspenders to complete the appearance of an outfit • Project record and evaluation 	<ul style="list-style-type: none"> • At least one accessory item; wear with a complete outfit • Completed project book 	Clothing Days
420 Outerwear for Anywhere	A	<ul style="list-style-type: none"> • All 4 project areas and activities • At least 2 learning experience • At least 2 leadership/citizenship activity • An advanced-level outer garment, such as a coat, jacket, raincoat, cape, or other appropriate outer layer, with other garments and accessories you make or purchase for a total look. • Project record and evaluation 	<ul style="list-style-type: none"> • Coat or jacket made and accessories to compete look • Completed project book 	Clothing Days
425 Look Great for Less	A, ages 15-18	<ul style="list-style-type: none"> • All 5 interest areas • At least 1 learning experience • At least 1 leadership/citizenship activity • An inexpensive outfit • Project record, summary, and evaluation 	<ul style="list-style-type: none"> • Total look outfit (No construction required) as inexpensive as possible • Completed project book 	Clothing Days
412 Sew for Others	I	<ul style="list-style-type: none"> • All 5 interest areas • At least 1 learning experience • At least 1 leadership/citizenship activity • A complete outfit for an individual or 3 different garments (adapted) for someone with special needs • Project evaluation 	<ul style="list-style-type: none"> • Outfit made and accessories to complete total look • The person to model outfit • Completed project book 	Clothing Days

Project Number and Name	Skill Level*	Project Completion Requirements	County Requirements	State Fair Requirements (See State Fair Guidebook for complete rules)
415 Active Sportswear	I	<ul style="list-style-type: none"> • All 4 interest areas • At least 2 learning experiences • At least 2 leadership/citizenship activities • At least 1 garment with a total look for an active sportswear outfit • Project summary and project review 	<ul style="list-style-type: none"> • At least one garment for active wear • Completed project book 	Clothing Days
418 Loungewear	X	<ul style="list-style-type: none"> • All 11 activities • At least 2 learning experiences • At least 2 leadership/citizenship activities • A loungewear outfit to wear over garments you make or buy • Project record, summary, and review 	<ul style="list-style-type: none"> • Outer layer for lounging plus garments/accessories to complete look • Completed project book 	Clothing Days
430 Shopping Savvy	I	<p>All 8 activities At least 2 learning experiences At least 2 leadership/citizenship activities An outfit, including accessories Project review</p>	<p>Total look outfit with accessories Completed project book</p>	Clothing Days
408 Creative Costumes	A	<p>All 5 interest areas At least 1 learning experience At least 1 leadership/citizenship activity A costume from one of these categories: historical, ethnic/cultural, theatrical, or special interest Project record and evaluation summary</p>	<p>Outfit made and accessories to complete total look Completed project book</p>	Clothing Days
417 Dress-Up Outfit	A	<p>All 5 interest areas At least 1 learning experience At least 1 leadership/citizenship activity A dress-up garment with two or more new experiences (zipper, sleeves, new trim or fabric) and coordinate/incorporate/ integrate into your total look Project evaluation and project review</p>	<p>Outfit made (Formal or Day Wear) and accessories to complete total look Completed project book</p>	Clothing Days

426 Clothing for Your Career	A	<ul style="list-style-type: none"> All 5 interest areas At least 1 learning experience At least 1 leadership/citizenship activity An outfit with at least 2 pieces appropriate for a job, volunteer, work, or an interview (suit, uniform, or work outfit) At least 2 alterations A brief description of an interesting job. Job site visit or interview a professional, or both Project record and evaluation 	<ul style="list-style-type: none"> Outfit (min 2 pieces – suit, uniform, or work outfit) made and accessories to complete total look Completed project book 	Clothing Days
432M Sewing and Textiles (non-Clothing) Master	A	<ul style="list-style-type: none"> At least 1 non-clothing fabric item At least 2 learning experiences At least 2 leadership/citizenship activities Project records including interview, budget, and photos Judging activity 	<ul style="list-style-type: none"> Completed project book Item(s) made (Optional) display showing progression 	No State Fair Event
Communication				
377 Finding Your Voice: Public Speaking Made Easy	B	<ul style="list-style-type: none"> All 7 Activities At least 2 learning experiences At least 2 leadership/citizenship activities Project review 		Leadership Day <ul style="list-style-type: none"> Display/Exhibit (36" x 24")
Creative and Leisure Arts				
Cake Decorating				
492 Cake Decorating Project	X	<ul style="list-style-type: none"> At least 5 learning activities At least 2 learning experiences At least 2 leadership/citizenship activities Record of decorating skills and techniques Project and cake records Project summary and review 	<ul style="list-style-type: none"> One decorated cake (Either real cake or Styrofoam) Pictures of 3 cakes Completed project book 	Creative Arts Day II <ul style="list-style-type: none"> Decorated Cake or Cupcake Display

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Collecting				
496 My Favorite Things	B	<ul style="list-style-type: none"> • All 8 activities • At least 2 learning experiences • At least 2 leadership/citizenship activities • Project review 	<ul style="list-style-type: none"> • Completed project book • Collection/Sample of items 	Creative Arts Day <ul style="list-style-type: none"> • Tri-Fold Display
Fine Arts				
498 Quilting the Best Better	I	<ul style="list-style-type: none"> • All 8 activities and all Quilting Quotes questions • At least 2 learning experiences • At least 2 leadership/citizenship activities • Quilt blocks, a pillow to be donated, and a lap quilt (minimum 30" x 30" and maximum 54" x 72") • Project review 	<ul style="list-style-type: none"> • Completed project book • Lap Quilt 	Quilt Day
499 You Can Quilt	I	<ul style="list-style-type: none"> • All 7 activities • At least 2 learning experiences • At least 2 leadership/citizenship activities • Construct a Rail Fence or Four Patch mini-quilt • Project summary and project review 	<ul style="list-style-type: none"> • Completed project book • Mini Quilt 	Quilt Day
592 Get Started in Art	X	<ul style="list-style-type: none"> • All 11 activities • At least 2 learning experiences • At least 2 leadership/citizenship activities • A final project • Project summary and project review 	<ul style="list-style-type: none"> • Two items made from Interest Areas 3-7 or two items from medium of choice • Know design elements, principals, and quality of technique • Completed project book 	Creative Arts Day <ul style="list-style-type: none"> • One Piece of Art • Tri-Fold Display

365 Self Determined – Quilting	X	<ul style="list-style-type: none"> • Topic identification • At least 3 areas of interest, each with at least 3 activities • At least 2 learning experiences • At least 2 leadership/citizenship experiences • Project summary 	<ul style="list-style-type: none"> • Completed project book • Quilt 	Quilt Day
Genealogy				
422 Family History Treasure Hunt	X	<ul style="list-style-type: none"> • All 4 steps in What to Do, depending on number of years project is taken • At least 1 other learning experience • At least 1 leadership/citizenship activity • Project review and records 	<ul style="list-style-type: none"> • Completed project book • Documents/Display 	Family Life Day <ul style="list-style-type: none"> • Log, Journal, Pedigree, Family Group Sheets
Photography				
584 Focus on Photography	B	<ul style="list-style-type: none"> • All 4 project areas, photo journal, and review questions • At least 2 learning experiences • At least 2 leadership/citizenship activities • Project review 	<ul style="list-style-type: none"> • Completed project book • One of the following items: (1) single mounted print, (2) prints that tell a “photo story,” or (3) prints that illustrate an activity 	Photography Day
585 Controlling the Image	I	<ul style="list-style-type: none"> • All 4 project areas, photo journal, and review questions • At least 2 learning experiences • At least 2 leadership/citizenship activities • Project review 	<ul style="list-style-type: none"> • Completed project book • One of the following items: (1) single mounted print, (2) prints that tell a “photo story,” (3) prints that illustrate an activity, or (4) single print with the news story it illustrates 	Photography Day
86 Mastering Photography	A	<ul style="list-style-type: none"> • All 4 project areas, photo journal, and review questions • At least 2 learning experiences • At least 2 leadership/citizenship activities • Project review 	<ul style="list-style-type: none"> • Completed project book • One of the following items: (1) single mounted print, (2) prints that tell a “photo story,” (3) prints that illustrate an activity, or (4) single print with the news story it illustrates 	Photography Day

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589M Photography Master	A	<ul style="list-style-type: none"> One major photography project At least 2 learning experiences At least 2 citizenship activities Project records including interview, budget, and portfolio Judging activity 	<ul style="list-style-type: none"> One Skill Set Creative Portfolio 	Photography Day
Scrapbooking				
497 Scrapbooking	B	<ul style="list-style-type: none"> All 3 project areas (the last activity is optional) At least 2 learning experiences At least 2 leadership/citizenship activities A scrapbook Project review 	<ul style="list-style-type: none"> Completed project book At least four scrapbooks pages made 	Creative Arts Day <ul style="list-style-type: none"> Scrapbook Display
Theater Arts				
596 Play the Role	I	<ul style="list-style-type: none"> At least 6 activities per year 	<ul style="list-style-type: none"> Completed project book Poster/Exhibit showing what you learned 	No State Fair Event
598 Set the Stage	I	<ul style="list-style-type: none"> At least 6 activities per year 	<ul style="list-style-type: none"> Completed project book Poster/Exhibit showing what you learned 	No State Fair Event
Writing				
587 Writing and Reporting for Teenagers	A	<ul style="list-style-type: none"> All 10 assignments, which include 9, 1-2 page reports At least 2 learning experiences At least 2 leadership/citizenship activities Project summary 	<ul style="list-style-type: none"> Completed project book Write 5 stories or articles (Bring originals plus published copy – if published) 	No State Fair Event

588 The Writer in You	I	<ul style="list-style-type: none"> All 11 assignments (including a writing portfolio) and all of the Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project summary 	<ul style="list-style-type: none"> Completed project book One entry from the following categories (Poetry, Short Essay, or Essay) 	No State Fair Event
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Food and Nutrition

459 Let's Start Cooking	B	<ul style="list-style-type: none"> All 8 activities, including 6 recipes At least 2 learning experiences At least 2 leadership/citizenship activities Project Review 	<ul style="list-style-type: none"> Menu for 3 meals for 1 day planned according to MyPlate. Written in menu form One dish prepared (recipe size) Appropriate table setting for the meal selected Completed project book 	Foods and Nutrition Days <ul style="list-style-type: none"> Complete Portfolio (See end of document)
463 Sports Nutrition: Ready, Set, Go	I	<ul style="list-style-type: none"> All 5 activities, including 5 recipes and Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review 	<ul style="list-style-type: none"> Menu for 3 meals for 1 day planned according to MyPlate. Written in menu form One dish prepared (recipe size) Appropriate table setting for the meal selected Completed project book 	Foods and Nutrition Days <ul style="list-style-type: none"> Complete Portfolio (See end of document)
481 Everyday Food and Fitness	B	<ul style="list-style-type: none"> All 7 activities, including 5 recipes and Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review 	<ul style="list-style-type: none"> Menu for 3 meals for 1 day planned according to MyPlate. Written in menu form One dish prepared (recipe size) Appropriate table setting for the meal selected Completed project book 	Foods and Nutrition Days <ul style="list-style-type: none"> Complete Portfolio (See end of document)
484 Snack Attack!	B	<ul style="list-style-type: none"> All 7 activities, including 7 recipes At least 2 learning experiences At least 2 leadership/citizenship activities Project review 	<ul style="list-style-type: none"> Menu for 3 meals for 1 day planned according to MyPlate. Written in menu form One dish prepared (recipe size) Appropriate table setting for the meal selected Completed project book 	Foods and Nutrition Days <ul style="list-style-type: none"> Complete Portfolio (See end of document)

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486 Dashboard Dining	I	<ul style="list-style-type: none"> • All 7 activities • At least 2 learning experiences • At least 2 leadership/citizenship activities • Project review 	<ul style="list-style-type: none"> • Menu for 3 meals for 1 day planned according to MyPlate. Written in menu form • One dish prepared (recipe size) • Appropriate table setting for the meal selected Completed project book 	Foods and Nutrition Days <ul style="list-style-type: none"> • Complete Portfolio (See end of document)
487 Fast Break for Breakfast	B	<ul style="list-style-type: none"> • All 5 interest areas, including at least 2 recipes in each area • Allow 4 weeks for the chicken bone experiment • At least 2 learning experiences and 2 leadership/citizenship/career activities • Project review 	<ul style="list-style-type: none"> • Menu for 3 meals for 1 day planned according to MyPlate. Written in menu form • One dish prepared (recipe size) • Appropriate table setting for the meal selected Completed project book 	Foods and Nutrition Days <ul style="list-style-type: none"> • Complete Portfolio (See end of document)
461 Let's Bake Quick Breads	I	<ul style="list-style-type: none"> • All 8 activities, including 7 recipes • At least 2 learning experiences • At least 2 leadership/citizenship activities • Project review 	<ul style="list-style-type: none"> • Menu for 3 meals for 1 day planned according to MyPlate. Written in menu form • One dish prepared (recipe size) • Appropriate table setting for the meal selected Completed project book 	Foods and Nutrition Days <ul style="list-style-type: none"> • Complete Portfolio (See end of document)
472 Grill Master	I	<ul style="list-style-type: none"> • All 6 activities, including at least 5 recipes and the Notes for Next Time • At least 2 learning experiences • At least 2 leadership/citizenship activities • Project review 	<ul style="list-style-type: none"> • Menu for 3 meals for 1 day planned according to MyPlate. Written in menu form • One dish prepared (recipe size) • Appropriate table setting for the meal selected Completed project book 	Foods and Nutrition Days <ul style="list-style-type: none"> • Complete Portfolio (See end of document)

474 Beyond the Grill	A	<ul style="list-style-type: none"> • All 6 activities, including 9 recipes • At least 2 learning experiences • At least 2 leadership/citizenship activities • Project review 	<ul style="list-style-type: none"> • Menu for 3 meals for 1 day planned according to MyPlate. Written in menu form • One dish prepared (recipe size) • Appropriate table setting for the meal selected Completed project book 	Foods and Nutrition Days <ul style="list-style-type: none"> • Complete Portfolio (See end of document)
475 Star Spangled Foods	I	<ul style="list-style-type: none"> • All 7 recipe sections, including 11 recipes • At least 3 learning experiences • At least 3 leadership/citizenship activities 	<ul style="list-style-type: none"> • Menu for 3 meals for 1 day planned according to MyPlate. Written in menu form • One dish prepared (recipe size) • Appropriate table setting for the meal selected Completed project book 	Foods and Nutrition Days <ul style="list-style-type: none"> • Complete Portfolio (See end of document)
477 Party Planner	I	<ul style="list-style-type: none"> • All 8 activities, including 8 recipes • At least 2 learning experiences • At least 2 leadership/citizenship activities • Project summary and project review 	<ul style="list-style-type: none"> • Menu for 3 meals for 1 day planned according to MyPlate. Written in menu form • One dish prepared (recipe size) • Appropriate table setting for the meal selected Completed project book 	Foods and Nutrition Days <ul style="list-style-type: none"> • Complete Portfolio (See end of document)
485 Racing the Clock to Awesome Meals	I	<ul style="list-style-type: none"> • All 7 activities, including 1 recipe and the Notes for Next Time for each activity • At least 2 learning experiences • At least 2 leadership/citizenship activities • Project review 	<ul style="list-style-type: none"> • Menu for 3 meals for 1 day planned according to MyPlate. Written in menu form • One dish prepared (recipe size) • Appropriate table setting for the meal selected Completed project book 	Foods and Nutrition Days <ul style="list-style-type: none"> • Complete Portfolio (See end of document)
462 Yeast Breads on the Rise	A	<ul style="list-style-type: none"> • All 5 interest areas, including at least 6 recipes • At least 2 learning experiences • At least 2 leadership/citizenship activities • Project record and summary 	<ul style="list-style-type: none"> • Menu for 3 meals for 1 day planned according to MyPlate. Written in menu form • One dish prepared (recipe size) • Appropriate table setting for the meal selected • Completed project book 	Foods and Nutrition Days <ul style="list-style-type: none"> • Complete Portfolio (See end of document)

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467 You're the Chef	A	<ul style="list-style-type: none"> All 8 interest areas, including 7 meals At least 2 learning experiences At least 2 leadership/citizenship activities Project record, evaluation at the end of each interest area, and review 	<ul style="list-style-type: none"> Menu for 3 meals for 1 day planned according to MyPlate. Written in menu form One dish prepared (recipe size) Appropriate table setting for the meal selected Completed project book 	Foods and Nutrition Days <ul style="list-style-type: none"> Complete Portfolio (See end of document)
469 Global Gourmet	A	<ul style="list-style-type: none"> All 7 interest areas, including preparation of meals and Notes for Next Time At least 2 learning experiences At least 2 leadership/citizenship activities Project record 	<ul style="list-style-type: none"> Menu for 3 meals for 1 day planned according to MyPlate. Written in menu form One dish prepared (recipe size) Appropriate table setting for the meal selected Completed project book 	Foods and Nutrition Days <ul style="list-style-type: none"> Complete Portfolio (See end of document)
476 Pathways to Culinary Success	A	<ul style="list-style-type: none"> All 6 chapters, including at least 3 recipes or additional ideas for each chapter At least 3 learning experiences At least 1 leadership/citizenship/career activity Project record and project journal 	<ul style="list-style-type: none"> Menu for 3 meals for 1 day planned according to MyPlate. Written in menu form One dish prepared (recipe size) Appropriate table setting for the meal selected Completed project book 	Foods and Nutrition Days <ul style="list-style-type: none"> Complete Portfolio (See end of document)
Healthy Living				
300 You're the Athlete	I	<ul style="list-style-type: none"> At least 1 (of 7) section (Play Book, Practice Field, and Big Event) Either 2 other Play Book and at least 2 Practice Field activities OR 1 other section (Play Book, Practice Field, and Big Event) At least 2 special learning experiences At least 2 leadership/citizenship/career applications "My Season highlights" (project summary) 	<ul style="list-style-type: none"> Completed project book Complete a minimum of one section (Play Book, Practice Field and Big Event) Either 2 other Play Book and at least 2 Practice Field activities OR 1 other section (Play Book, Practice Field, and Big Event) 	Health Day <ul style="list-style-type: none"> Display (3ft x 3ft area)

351 Staying Healthy	B	<ul style="list-style-type: none"> All 12 interest areas 3 of the More Challenges activities At least 2 learning experiences At least 2 leadership/citizenship activities Project review 	<ul style="list-style-type: none"> Completed project book Poster/Display on the most important thing you learned 	<p>Health Day</p> <ul style="list-style-type: none"> Display (3ft x 3ft area)
352 Keeping Fit	I	<ul style="list-style-type: none"> All 12 interest areas 3 of the More Challenges activities At least 2 learning experiences At least 2 leadership/citizenship activities Project review 	<ul style="list-style-type: none"> Completed project book Poster/Display on the most important thing you learned 	<p>Health Day</p> <ul style="list-style-type: none"> Display (3ft x 3ft area)
353 First Aid in Action	B	<ul style="list-style-type: none"> All 12 interest areas 3 of the More Challenges activities At least 2 learning experiences At least 2 leadership/citizenship activities Project review 	<ul style="list-style-type: none"> Completed project book First Aid kit assembled for home 	<p>Health Day</p> <ul style="list-style-type: none"> Display (3ft x 3ft area)
357 Alcohol and Drug Abuse	A	<ul style="list-style-type: none"> All 12 activities At least 2 learning experiences All least 2 leadership/citizenship activities Project review 	<ul style="list-style-type: none"> Completed project book Poster/Display on the most important thing you learned 	<p>Health Day</p> <ul style="list-style-type: none"> Display (3ft x 3ft area)
358 The Truth About Tobacco	A	<ul style="list-style-type: none"> All 12 activities At least 2 learning experiences At least 2 leadership/citizenship activities Project review 	<ul style="list-style-type: none"> Completed project book Poster/Display on the most important thing you learned 	<p>Health Day</p> <ul style="list-style-type: none"> Display (3ft x 3ft area)
359 Your Thoughts Matter	A	<ul style="list-style-type: none"> All 10 activities, including Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review 	<ul style="list-style-type: none"> Completed project book Poster/Display on the most important thing you learned 	<p>Health Day</p> <ul style="list-style-type: none"> Display (3ft x 3ft area)
Home Living				
405 The Laundry Project	B	<ul style="list-style-type: none"> All 11 activities and Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project Review 	<ul style="list-style-type: none"> Completed project book Poster describing what you learned 	<p>Home Decorating & Design Day</p> <ul style="list-style-type: none"> Display (3ft x 3ft area)

Project Number and Name	Skill Level*	Project Completion Requirements	County Requirements	State Fair Requirements (See State Fair Guidebook for complete rules)
491 It's My Home	B	<ul style="list-style-type: none"> All 9 activities, including Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project record and project review 	<ul style="list-style-type: none"> Completed project book Item(s) made – if items cannot be brought – pictures are needed 	Home Decorating & Design Day <ul style="list-style-type: none"> Display (3ft x 3ft area)
494 Makeover My Space	I	<ul style="list-style-type: none"> All 10 activities and 4 Talking It Over pages At least 2 learning experiences At least 2 leadership/citizenship activities Project review 	<ul style="list-style-type: none"> Completed project book Poster showing the before and after 	Home Decorating & Design Day <ul style="list-style-type: none"> Display (3ft x 3ft area)
495 Your First Home Away From Home	A	<ul style="list-style-type: none"> All 4 interest areas At least 2 learning experiences At least 2 leadership/citizenship activities A notebook for planning and a project record 	<ul style="list-style-type: none"> Completed project book Item(s) purchased and notebook of plans and ideas 	Home Decorating & Design Day <ul style="list-style-type: none"> Display (3ft x 3ft area)

Leadership & Citizenship

370 One on One	A	<ul style="list-style-type: none"> At least 2 activities of first 3 interest areas At least 2 leadership/citizenship activities Project review 	<ul style="list-style-type: none"> Completed project book Poster/Display of what you learned Assignments from book 	Leadership Day <ul style="list-style-type: none"> Display/Exhibit (36" x 24")
371 Club Leadership 1	I	<ul style="list-style-type: none"> All 10 activities 3 individualized goals At least 2 learning experiences At least 2 citizenship activities Project review 	<ul style="list-style-type: none"> Completed project book Poster/Display of what you learned Assignments from book 	Leadership Day <ul style="list-style-type: none"> Display/Exhibit (36" x 24")
372 Diversity	A	<ul style="list-style-type: none"> All 8 activities At least 2 learning experiences At least 2 citizenship activities Project review 	<ul style="list-style-type: none"> Completed project book Poster/Display of what you learned Assignments from book 	Leadership Day <ul style="list-style-type: none"> Display/Exhibit (36" x 24")

373 My Hands to Larger Service	A	<ul style="list-style-type: none"> • All 9 activities • At least 2 learning experiences • At least 2 leadership/citizenship activities • Project review 	<ul style="list-style-type: none"> • Completed project book • Poster/Display of what you learned • Assignments from book 	<p>Leadership Day</p> <ul style="list-style-type: none"> • Display/Exhibit (36" x 24")
374 Teens on Board	I	<ul style="list-style-type: none"> • All 9 activities • At least 2 learning experiences • At least 2 leadership/citizenship activities • Project review 	<ul style="list-style-type: none"> • Completed project book • Poster/Display of what you learned • Assignments from book 	<p>Leadership Day</p> <ul style="list-style-type: none"> • Display/Exhibit (36" x 24")
375 Leadership Road Trip	I	<ul style="list-style-type: none"> • All 13 activities and Rest Stop questions • At least 2 learning experiences • At least 2 citizenship activities • Project summary and project review 	<ul style="list-style-type: none"> • Completed project book • Poster/Display of what you learned • Assignments from book 	<p>Leadership Day</p> <ul style="list-style-type: none"> • Display/Exhibit (36" x 24")
376 Pantry Panic	A	<ul style="list-style-type: none"> • All 7 activities • At least 2 learning experiences • At least 2 leadership/citizenship activities • Project review 	<ul style="list-style-type: none"> • Completed project book • Poster/Display of what you learned • Assignments from book 	<p>Leadership Day</p> <ul style="list-style-type: none"> • Display/Exhibit (36" x 24")
378M Leadership Master	A	<ul style="list-style-type: none"> • One major leadership experience • At least 2 learning experiences • At least 2 citizenship activities • Project records including interview, budget, and photos • Judging activity 	<ul style="list-style-type: none"> • Completed project book • Poster/Display of what you learned • Assignments from book 	<p>Leadership Day</p> <ul style="list-style-type: none"> • Display/Exhibit (36" x 24")
383 Club Leadership 2	A	<ul style="list-style-type: none"> • All 11 activities and Talking It Over questions • At least 3 individualized goals or additional activities • At least 2 learning experiences • At least 2 citizenship activities • Project review 	<ul style="list-style-type: none"> • Completed project book • Poster/Display of what you learned • Assignments from book 	<p>Leadership Day</p> <ul style="list-style-type: none"> • Display/Exhibit (36" x 24")

Project Number and Name	Skill Level*	Project Completion Requirements	County Requirements	State Fair Requirements (See State Fair Guidebook for complete rules)
365.11 Self Determined – Camp Counselor	X	Using the online Self-Determined Project Guide: <ul style="list-style-type: none"> • Topic identification • At least 3 areas of interest, each with at least 3 activities • At least two learning experiences • At least two leadership/citizenship experiences • Project summary 	<ul style="list-style-type: none"> • Completed project book • Poster/Display of what you learned • Assignments from book 	Leadership Day <ul style="list-style-type: none"> • Display/Exhibit (36" x 24")
Money Management				
445 Becoming Money Wise	B	Level I <ul style="list-style-type: none"> • All 11 Making \$ense and all 5 Money Talk activities • As many additional More Making \$ense activities as you wish • 2 organized activities • At least 2 leadership/citizenship activities Level II <ul style="list-style-type: none"> • All 12 Resource \$ense and 3 Resource Talk activities • As many additional More Resource \$ense activities as you wish • 2 organized activities • At least 2 leadership/citizenship activities • A money journal 	<ul style="list-style-type: none"> • Completed project book • Records of activities • Poster describing what you learned 	No State Fair Event
448 Teens . . . On the Road to Financial Success	A	<ul style="list-style-type: none"> • All 11 activities for Year 1 and for Year 2 • At least 2 organized activities • At least 2 leadership/citizenship activities 	<ul style="list-style-type: none"> • Completed project book • Exhibit (spending log, bank comparisons, etc) 	No State Fair Event

Natural Resources

Gardening and Plant Science

670 Canning and Freezing	I	<ul style="list-style-type: none"> All 7 activities At least 2 learning experiences At least 2 leadership/citizenship activities Project summary and project review 	<ul style="list-style-type: none"> Completed project book Record of activities Display of what you learned 	Natural Resources Day 2 <ul style="list-style-type: none"> Display
671 How Does Your Garden Grow?	B	<ul style="list-style-type: none"> 4 activities, plus activity 4a, 4b, or both At least 2 learning experiences At least 2 leadership/citizenship activities Project review 	<ul style="list-style-type: none"> Completed project book Poster/Display showing 2 plants of different varieties OR 2 experiments 	Natural Resources Day 2 <ul style="list-style-type: none"> Display No Planter Necessary
691 Grow Your Own Vegetables	B	<ul style="list-style-type: none"> All 11 activities (including growing vegetables) and Talking It Over Questions At least 2 learning activities At least 2 leadership/citizenship activities Project review 	<ul style="list-style-type: none"> Completed project book Poster of garden layout Samples of 2 vegetables grown 	Natural Resources Day 2 <ul style="list-style-type: none"> Display
692 Growing with the Seasons	I	<ul style="list-style-type: none"> All 7 interest areas At least 2 organized activities At least 2 leadership/citizenship activities Maintain a minimum of 225 sq. ft. of gardening space Grow a minimum of 3 vegetable varieties for each growing season Project review 	<ul style="list-style-type: none"> Completed project book Poster of garden layout Samples of 2 vegetables grown 	Natural Resources Day 2 <ul style="list-style-type: none"> Display

The Natural World

611 Explore the Outdoors	B	<ul style="list-style-type: none"> All 9 activities and Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project Review 	<ul style="list-style-type: none"> Completed project book Educational display/poster 	Natural Resources Day 2 <ul style="list-style-type: none"> Display
617 Exploring Ponds	A	<ul style="list-style-type: none"> All 9 activities and Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review 	<ul style="list-style-type: none"> Completed project book Educational display/poster 	Natural Resources Day 2 <ul style="list-style-type: none"> Display

Project Number and Name	Skill Level*	Project Completion Requirements	County Requirements	State Fair Requirements (See State Fair Guidebook for complete rules)
620 Why Trees Matter	B	<ul style="list-style-type: none"> • All 6 activities • At least 2 learning experiences • At least 2 leadership/citizenship activities • Project review 	<ul style="list-style-type: none"> • Completed project book • Educational display/poster 	Natural Resources Day 2 <ul style="list-style-type: none"> • Display
621 Ohio Birds	X	<ul style="list-style-type: none"> • All 5 interest areas • At least 2 learning experiences • At least 2 leadership/citizenship activities • Observe and record at least 20 different bird species • One-page summary 	<ul style="list-style-type: none"> • Completed project book • Educational display/poster 	Natural Resources Day 2 <ul style="list-style-type: none"> • Display
622 Trapping Muskrats in Ohio	I	<ul style="list-style-type: none"> • All 7 activities • At least 3 learning experiences • At least 3 leadership/citizenship activities • 2 of 3 projects for first year; 2 of 3 projects for second year • A poster board 	<ul style="list-style-type: none"> • Completed project book • Educational display/poster 	Natural Resources Day 2 <ul style="list-style-type: none"> • Display
623 Outdoor Adventurer: Beginning Fishing	B	<ul style="list-style-type: none"> • All 8 activities, including Talking It Over questions and the Fishing Log • At least 2 learning experiences • At least 2 leadership/citizenship activities • Project review 	<ul style="list-style-type: none"> • Completed project book • Educational display/poster 	Natural Resources Day 2 <ul style="list-style-type: none"> • Display
624 Fishing for the Intermediate	I	<ul style="list-style-type: none"> • All 5 interest areas • At least 2 learning experiences • At least 2 leadership/citizenship activities • Project review 	<ul style="list-style-type: none"> • Completed project book • Educational display/poster 	Natural Resources Day 2 <ul style="list-style-type: none"> • Display
641 Beekeeping	X	<ul style="list-style-type: none"> • Set at least 3 project goals and objectives • At least 5 learning activities • At least 2 learning experiences • At least 2 leadership/citizenship activities • Colony Care and Management section • Beekeeping Record 	<ul style="list-style-type: none"> • Completed project book • Educational display/poster 	Natural Resources Day 2 <ul style="list-style-type: none"> • Display

644 Insect Adventures 1	B	<ul style="list-style-type: none"> All 7 activities, including an insect collection (30 specimens) and Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review 	<ul style="list-style-type: none"> Completed project book 1st Year – Display of 30 different adult insects 2nd Year – Display of 30 additional adult insects 	Natural Resources Day 2 <ul style="list-style-type: none"> Display
645 Insect Adventures 2	I	<ul style="list-style-type: none"> All 8 activities, including an insect collection (40 specimens) and Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review 	<ul style="list-style-type: none"> Completed project book 1st Year – Display of 40 different adult insects 2nd Year – Display of 40 additional adult insects 	Natural Resources Day 2 <ul style="list-style-type: none"> Display
646 Insect Adventures 3	A	<ul style="list-style-type: none"> All 7 activities, including an insect collection (50 specimens) and Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review 	<ul style="list-style-type: none"> Completed project book 1st Year – Display of 50 different adult insects 2nd Year – Display of 50 additional adult insects 	Natural Resources Day 2 <ul style="list-style-type: none"> Display
Shooting Sports				
630 Safe Use of Guns	B	<ul style="list-style-type: none"> All 11 activities, including Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities One-page summary 	<ul style="list-style-type: none"> Completed project book Poster describing care or types of firearms 	Natural Resources Day 1 <ul style="list-style-type: none"> Display
631 Basic Archery	B	<ul style="list-style-type: none"> All 6 interest areas At least 2 organized activities At least 2 leadership/citizenship activities Project review 	<ul style="list-style-type: none"> Completed project book Poster describing one interest area 	Natural Resources Day 1 <ul style="list-style-type: none"> Display

Project Number and Name	Skill Level*	Project Completion Requirements	County Requirements	State Fair Requirements (See State Fair Guidebook for complete rules)
750 Rifle	X	<ul style="list-style-type: none"> • All project book activities, including planning, setting goals, identifying parts, practicing safety, record keeping, evaluation, and more • Must be enrolled in a Shooting Sports program under the direction of a certified rifle instructor 	<ul style="list-style-type: none"> • Completed project book • Poster describing one interest area 	Natural Resources Day 1 <ul style="list-style-type: none"> • Display • No Guns
751 Archery	X	<ul style="list-style-type: none"> • All project book activities, including planning, setting goals, identifying parts, practicing safety, record keeping, evaluation, and more • Must be enrolled in a Shooting Sports program under the direction of a certified archery instructor 	<ul style="list-style-type: none"> • Completed project book • Poster describing one interest area 	Natural Resources Day 1 <ul style="list-style-type: none"> • Display • No Guns
752 Shotgun	X	<ul style="list-style-type: none"> • All project book activities, including planning, setting goals, identifying parts, practicing safety, record keeping, evaluation, and more • Must be enrolled in a Shooting Sports program under the direction of a certified shotgun instructor 	<ul style="list-style-type: none"> • Completed project book • Poster describing one interest area 	Natural Resources Day 1 <ul style="list-style-type: none"> • Display • No Guns
753 Pistol	X	<ul style="list-style-type: none"> • All project book activities, including planning, setting goals, identifying parts, practicing safety, record keeping, evaluation, and more • Must be enrolled in a Shooting Sports program under the direction of a certified pistol instructor 	<ul style="list-style-type: none"> • Completed project book • Poster describing one interest area 	Natural Resources Day 1 <ul style="list-style-type: none"> • Display • No Guns

754 Hunting & Wildlife	X	<ul style="list-style-type: none"> All project book activities, including planning, setting goals, identifying parts, practicing safety, record keeping, evaluation, and more Must be enrolled in a Shooting Sports program under the direction of a certified hunting/wildlife instructor 	<ul style="list-style-type: none"> Completed project book Poster describing one interest area 	Natural Resources Day 1 <ul style="list-style-type: none"> Display No Guns
755 Muzzleloader	X	<ul style="list-style-type: none"> All project book activities, including planning, setting goals, identifying parts, practicing safety, record keeping, evaluation, and more Must be enrolled in a Shooting Sports program under the direction of a certified muzzleloader instructor 	<ul style="list-style-type: none"> Completed project book Poster describing one interest area 	Natural Resources Day 1 <ul style="list-style-type: none"> Display No Guns
756 Living History	X	<ul style="list-style-type: none"> All project book activities, including planning, setting goals, record keeping, evaluation, and more Must be enrolled in a Shooting Sports program under the direction of a certified shooting sports living history instructor 	<ul style="list-style-type: none"> Completed project book Poster describing one interest area 	Natural Resources Day 1 <ul style="list-style-type: none"> Display No Guns

Science, Technology, Engineering, and Math (STEM)

Aerospace Science

501 Rockets Away (2 Liter Bottle)	B, Ages 10-17	<ul style="list-style-type: none"> All 3 interest areas At least 2 organized project activities At least 2 leadership/citizenship activities Build and launch a 2-liter bottle rocket Project review 	<ul style="list-style-type: none"> Completed project book Flight records Rocket or Airplane 	STEM DAY <ul style="list-style-type: none"> Display
502 Science Fun with Flight	B, ages 9-14	<ul style="list-style-type: none"> All 7 interest areas At least 2 learning experiences At least 2 leadership/citizenship activities Build a glider or flyer, or a plastic model airplane or jet Project review 	<ul style="list-style-type: none"> Completed project book Flight records Rocket or Airplane 	STEM DAY <ul style="list-style-type: none"> Display

Project Number and Name	Skill Level*	Project Completion Requirements	County Requirements	State Fair Requirements (See State Fair Guidebook for complete rules)
503 Rockets Away (Solid Fuel)	B	<ul style="list-style-type: none"> All 3 interest areas At least 2 organized project activities At least 2 leadership/citizenship activities Build and launch a solid-fuel model rocket from a kit Project review 	<ul style="list-style-type: none"> Completed project book Flight records Rocket or Airplane 	STEM DAY <ul style="list-style-type: none"> Display
503M Solid-Fuel Rocketry Master	A	<ul style="list-style-type: none"> One major solid-fuel rocketry project At least 2 learning experiences At least 2 citizenship activities Project records including interview, budget, and photos Judging activity 	<ul style="list-style-type: none"> Completed project book Flight records Rocket or Airplane 	STEM DAY <ul style="list-style-type: none"> Display
All-Terrain Vehicles (ATV)				
555 ATV Safety	X	<ul style="list-style-type: none"> Safety pledge All 9 activities Practice pages Practice and riding record At least 2 learning experiences At least 2 leadership/citizenship activities 	<ul style="list-style-type: none"> Completed project book Poster/Display showing what you learned 	No State Fair Event
Bicycle				
517 Bicycling for Fun, 1	B	<ul style="list-style-type: none"> At least 7 activities per year Complete the Bicycling For Fun Achievement Program on second year Complete Project Goals, Before and After, and Project Highlights sections 	<ul style="list-style-type: none"> Completed book Poster/display of what you learned Completed guidelines (pg 2) 	No State Fair Event
518 Wheels in Motion, 2	I	<ul style="list-style-type: none"> At least 7 activities per year Complete the Bicycling For Fun Achievement Program on second year Complete Project Goals, Before and After, and Project Highlights sections 	<ul style="list-style-type: none"> Completed book Poster/display of what you learned Completed guidelines (pg 2) 	No State Fair Event

Chemistry				
593 Science Fun with Kitchen Chemistry	B	<ul style="list-style-type: none"> All 11 experiments At least 2 learning experiences At least 2 leadership/citizenship activities Project review 	<ul style="list-style-type: none"> Completed book Poster/display of what you learned Records of experiments and activities 	STEM Day <ul style="list-style-type: none"> Display
Electricity				
527 Magic of Electricity, 1	B	<ul style="list-style-type: none"> At least 7 activities per year (3 main activities and 4 Brain Boosters) At least 2 leadership experiences Planning Guide 	<ul style="list-style-type: none"> Completed project book One item made from experiment OR poster of what you learned 	Engineering Excitement Day <ul style="list-style-type: none"> Display (48" W x 24" D x 36" H)
528 Investigating Electricity, 2	I	<ul style="list-style-type: none"> At least 7 activities per year (3 main activities and 4 Brain Boosters) At least 2 leadership experiences Planning Guide 	<ul style="list-style-type: none"> Completed project book One item made from experiment OR poster of what you learned 	Engineering Excitement Day <ul style="list-style-type: none"> Display (48" W x 24" D x 36" H)
529 Wired for Power, 3	I	<ul style="list-style-type: none"> At least 7 activities per year (3 main activities and 4 Brain Boosters) At least 2 leadership experiences Planning Guide 	<ul style="list-style-type: none"> Completed project book One item made from experiment OR poster of what you learned 	Engineering Excitement Day <ul style="list-style-type: none"> Display (48" W x 24" D x 36" H)
530 Entering Electronics, 4	A	<ul style="list-style-type: none"> At least 7 activities per year (3 main activities and 4 Brain Boosters) At least 2 leadership experiences Planning Guide 	<ul style="list-style-type: none"> Completed project book One item made from experiment OR poster of what you learned 	Engineering Excitement Day <ul style="list-style-type: none"> Display (48" W x 24" D x 36" H)
531 Science Fun with Electricity	B	<ul style="list-style-type: none"> All interest areas Experiments and journals for each interest area At least 2 project activities At least 2 leadership/citizenship activities Project summary 	<ul style="list-style-type: none"> Completed project book One item made from experiment OR poster of what you learned 	Engineering Excitement Day <ul style="list-style-type: none"> Display (48" W x 24" D x 36" H)

Energy				
Project Number and Name	Skill Level*	Project Completion Requirements	County Requirements	State Fair Requirements (See State Fair Guidebook for complete rules)
550 Young Engineers in Solar Energy	I	<ul style="list-style-type: none"> All 9 activities and all of the Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review 	<ul style="list-style-type: none"> Completed book Poster/display of what you learned 	STEM Day <ul style="list-style-type: none"> Display
Food Science				
490 Science Fun with Dairy Foods: The Case of the Missing Milk	B	<ul style="list-style-type: none"> All 6 activities At least 2 learning experiences At least 2 leadership/citizenship activities Project review 	<ul style="list-style-type: none"> Completed book Poster/display of what you learned Records of experiments and activities 	STEM Day <ul style="list-style-type: none"> Display
Electric Radio-Controlled Vehicles				
504 Electric Radio-Controlled Vehicles	I	<ul style="list-style-type: none"> All 10 activities and 3 records Safety checklist At least 2 learning experiences At least 2 leadership/citizenship activities Project review 	<ul style="list-style-type: none"> Completed project book Poster/Display showing one activity Vehicle and toolbox 	No State Fair Event
Knots				
540 Not Just Knots	X	<ul style="list-style-type: none"> All 17 activities (including a capstone project) and all of the Talking It Over questions At least 2 project learning experiences At least 2 leadership/citizenship activities Project Review 	<ul style="list-style-type: none"> Completed project book Demonstrate to knot to judge Junior (8/13) – Display of at least 6 knots and 1 knot end Senior (14+) – Display of 6 knots or hitches, a halter, or Lariat and 2 end knots 	Engineering Excitement Day <ul style="list-style-type: none"> Display (48" W x 24" D x 36" H)

Physics				
500 Science Fun with Physics	B	<ul style="list-style-type: none"> All 12 experiments At least 2 learning experiences At least 2 leadership/citizenship activities Project Review 	<ul style="list-style-type: none"> Completed book Poster/display of what you learned Records of experiments and activities 	STEM Day <ul style="list-style-type: none"> Display
Robotics				
507 Robotics 1 with EV3	I	<ul style="list-style-type: none"> All 12 activities and Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review 	<ul style="list-style-type: none"> Completed project book Robot and demonstrate ability 	STEM Day <ul style="list-style-type: none"> Display
508 Robotics 2: EV3N More	A	<ul style="list-style-type: none"> All 7 activities and Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review 	<ul style="list-style-type: none"> Completed project book Robot and demonstrate ability 	STEM Day <ul style="list-style-type: none"> Display
512M Robotics Master	A	<ul style="list-style-type: none"> One major robotics project At least 2 learning experiences At least 2 citizenship activities Project records including interview, budget, and photos Judging activity 	<ul style="list-style-type: none"> Completed project book Robot and demonstrate ability 	STEM Day <ul style="list-style-type: none"> Display
Small Engines and Lawn Care				
541 Crank It Up, Level 1	B	<ul style="list-style-type: none"> At least 7 activities each year in either main activities sections or Race Ahead sections Planning Guide 	<ul style="list-style-type: none"> Completed project book Display/Poster and records showing what you learned 	Engineering Excitement Day <ul style="list-style-type: none"> Display (48" W x 24" D x 36" H)
542 Warm It Up, Level 2	I	<ul style="list-style-type: none"> At least 7 activities each year in either main activities sections or Race Ahead sections Planning Guide 	<ul style="list-style-type: none"> Completed project book Display/Poster and records showing what you learned 	Engineering Excitement Day <ul style="list-style-type: none"> Display (48" W x 24" D x 36" H)
543 Tune It Up, Level 3	A	<ul style="list-style-type: none"> At least 7 activities each year in either main activities sections or Race Ahead sections Planning Guide 	<ul style="list-style-type: none"> Completed project book Display/Poster and records showing what you learned 	Engineering Excitement Day <ul style="list-style-type: none"> Display (48" W x 24" D x 36" H)

Project Number and Name	Skill Level*	Project Completion Requirements	County Requirements	State Fair Requirements (See State Fair Guidebook for complete rules)
Tractor and Machinery Operation				
551 Tractor 1: Starting Up	B	<ul style="list-style-type: none"> Complete all activities 	<ul style="list-style-type: none"> Completed project book Display/poster and records showing what you learned 	Engineering – Tractor Day <ul style="list-style-type: none"> Test & Interview Driving
552 Tractor 2: Gearing Up for Safety	I	<ul style="list-style-type: none"> Complete all activities 	<ul style="list-style-type: none"> Completed project book Display/poster and records showing what you learned 	Engineering – Tractor Day <ul style="list-style-type: none"> Test & Interview Driving
553 Tractor 3: Moving Out	I	<ul style="list-style-type: none"> Complete all activities 	<ul style="list-style-type: none"> Completed project book Display/poster and records showing what you learned 	Engineering – Tractor Day <ul style="list-style-type: none"> Test & Interview Driving
554 Tractor 4: Learning More	A	<ul style="list-style-type: none"> Complete all activities 	<ul style="list-style-type: none"> Completed project book Display/poster and records showing what you learned 	Engineering – Tractor Day <ul style="list-style-type: none"> Test & Interview Driving
Welding				
573 Arcs and Sparks	I	<ul style="list-style-type: none"> Recommended number of areas, building skills, and developing knowledge questions for your year At least 2 organized project activities At least 2 leadership/citizenship activities Build at least 2 weldments/or other items in book One-page report 	<ul style="list-style-type: none"> Completed project book Two items made using SMAW 	Engineering – Welding Day <ul style="list-style-type: none"> Safety Gear Item Made
Woodworking				
556 Measuring Up, Level 1	B	<ul style="list-style-type: none"> At least 7 activities per year for up to three years At least 2 leadership experiences Planning Guide 	<ul style="list-style-type: none"> Completed project book Planning guide Project made with non-power tools 	Woodworking Day <ul style="list-style-type: none"> Safety Gear Item Made

557 Making the Cut, Level 2	I	<ul style="list-style-type: none"> At least 7 activities per year for up to three years At least 4 woodworking leadership experiences Planning Guide 	<ul style="list-style-type: none"> Completed project book Planning guide Project made with non-power tools and power tools (w/ adult supervision) 	Woodworking Day <ul style="list-style-type: none"> Safety Gear Item Made
558 Nailing It Together, Level 3	A	<ul style="list-style-type: none"> At least 7 activities per year for up to three years At least 4 woodworking leadership experiences Planning Guide 	<ul style="list-style-type: none"> Completed project book Planning guide Project made with power tools (w/ adult supervision) 	Woodworking Day <ul style="list-style-type: none"> Safety Gear Item Made
559 Finishing Up, Level 4	A	<ul style="list-style-type: none"> At least 7 activities per year for up to three years At least 4 woodworking leadership experiences Planning Guide 	<ul style="list-style-type: none"> Completed project book Planning guide Project made 	Woodworking Day <ul style="list-style-type: none"> Safety Gear Item Made
560M Woodworking Master	A	<ul style="list-style-type: none"> One major woodworking project At least 2 learning experiences At least 2 citizenship activities Project records including interview, budget, and photos Judging activity 	<ul style="list-style-type: none"> Completed project book Planning guide Project made 	Woodworking Day <ul style="list-style-type: none"> Safety Gear Item Made
Self Determined				
365 Self-Determined	X	Using the online Self-Determined Project Guide: <ul style="list-style-type: none"> Topic identification At least 3 areas of interest, each with at least 3 activities At least two learning experiences At least two leadership/citizenship experiences Project summary 	<ul style="list-style-type: none"> Completed project book Item(s) made OR Display/Poster 	Self Determined Day <ul style="list-style-type: none"> Tri-Fold Display

Workforce Preparation

382 Am I Ready for Work?	I	<ul style="list-style-type: none"> • All 9 activities and Talking It Over questions • At least 2 learning experiences • At least 2 leadership/citizenship activities • Project Review 	<ul style="list-style-type: none"> • Completed Project Book • Resume and Cover Letter 	Workforce Preparation Day <ul style="list-style-type: none"> • Digital Display
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*Project skill level indicates the project's intended audience. **B** = Beginning level: for members with little or no experience in a project area, or 8 to 10 year olds; **I** = Intermediate: for members with some experience in a project area, for 11 to 13 year olds; **A** = Advanced level: for experienced members in a project area, or 14 or older; **X** = All levels: for all skill and age levels. Exceptions are noted.