

Project #	Project Name	Completion Requirements for AEROSPACE	Items to Bring to Judging	Fair Exhibit for Premiums
501	Rockets Away	<ol style="list-style-type: none"> 1. Follow rocket project expectations on page 2 of project book. 2. Construct at least one model rocket. 3. Learn about model rocket designs, materials, rocket engines, and model rocket safety. 	<ol style="list-style-type: none"> 1. Interview over project material 2. Bring completed project book, rocket and launching materials. 	<ol style="list-style-type: none"> 1. Exhibit rocket
502	Science of Flight	<ol style="list-style-type: none"> 1. Complete Planning Section. 2. Explore all 7 Interest Areas. 3. Complete all experiments and answer all questions within each interest area. 4. Take part in at least 2 learning experiences. 5. Become involved in at least 2 Citizenship/Leadership activities. 6. Build a glider or flyer from scratch or a kit. May also build a plastic model of a jet or airplane in addition to glider or flyer. 	<ol style="list-style-type: none"> 1. Interview on knowledge of flight, plane construction, etc. 2. Bring completed project book and glider or flyer. 	<ol style="list-style-type: none"> 1. Exhibit glider or flyer
503	Rockets Away (Estes-type rockets)	<ol style="list-style-type: none"> 1. Follow rocket project expectations on page 3 of project book. 2. Construct at least one model rocket. 3. Learn about model rocket designs, materials, rocket engines, and model rocket safety. 	<ol style="list-style-type: none"> 1. Interview over project material 2. Bring completed project book, rocket and launching materials. 	<ol style="list-style-type: none"> 1. Exhibit rocket
504	Radio Controlled Vehicles	<p style="text-align: center;">First Year</p> <ol style="list-style-type: none"> 1. Follow project guidelines Level 1 on page 3. 2. Purchase and assemble a radio controlled vehicle <p style="text-align: center;">Second Year</p> <ol style="list-style-type: none"> 1. Follow project guidelines Level 2 on page 3. 2. Modify Level 1 vehicle OR purchase and assemble new vehicle. 	<p style="text-align: center;">Both Years</p> <ol style="list-style-type: none"> 1. Bring completed project book and radio controlled vehicle. 2. Interview over project material 3. Be prepared to participate in maneuverability course. 	<p style="text-align: center;">Both Years</p> <ol style="list-style-type: none"> 1. Exhibit completed project book & photograph of vehicle.

Project #	Project Name	Completion Requirement for AQUARIUMS	Items to Bring to Judging	Fair Exhibit for Premium
626	Keeping Fish Alive	<ol style="list-style-type: none"> 1. Follow project guidelines on page 1. 2. Explore equipment, set up, water quality, fish and how they impact the aquarium eco-system. 3. Develop educational poster on one of the areas in #2 above. 	<ol style="list-style-type: none"> 1. Bring completed project book, records and poster. 2. Interview on project material. 	<ol style="list-style-type: none"> 1. Exhibit poster
627	Special Aquarium Set-Ups	<ol style="list-style-type: none"> 1. Follow project guidelines on page 1. 2. Explore aquarium chemistry fish habitats and breeding of live bearers, cichlids, goldfish and catfish. 3. Develop educational poster on one of the areas in #2 above. 	<ol style="list-style-type: none"> 1. Bring completed project book, records and poster. 2. Interview on project material. 	<ol style="list-style-type: none"> 1. Exhibit poster
628	Aquatic Plants	<ol style="list-style-type: none"> 1. Follow project guidelines on page 1. 2. Explore plant anatomy, habitat, water quality, plant needs, rooted plants, and the paludarium. 3. Develop educational poster on one of the areas in #2 above. 	<ol style="list-style-type: none"> 1. Bring completed project book, records and poster. 2. Interview on project material. 	<ol style="list-style-type: none"> 1. Exhibit poster

Project #	Project Name	Completion Requirements for BICYCLES	Items to Bring to Judging	Fair Exhibit for Premiums
517	Bicycle Adventures 1	<ol style="list-style-type: none"> 1. Must have access to a bike. 2. Follow planning guide steps at top of page C. 3. Develop educational poster about bicycle safety. 	<ol style="list-style-type: none"> 1. Member must bring bicycle to judging. 2. Complete safety inspection. 3. Be prepared to identify parts 4. Bring poster and project book. 	<ol style="list-style-type: none"> 1. Exhibit poster
518	Bicycle Adventures 2	<ol style="list-style-type: none"> 1. Must have access to a bike. 2. Follow planning guide steps at top of page V. 3. Develop educational poster about bike maintenance. 	<ol style="list-style-type: none"> 1. Same as project 517 	<ol style="list-style-type: none"> 1. Exhibit poster
519	Bicycle Adventures 3	<ol style="list-style-type: none"> 1. Must have access to a bike. 2. Follow planning guide steps at top of page iii. 3. Develop educational poster about bike skills. 	<ol style="list-style-type: none"> 1. Same as project 517 	<ol style="list-style-type: none"> 1. Exhibit poster

Project #	Project Name	Completion Requirements for CHILD CARE	Items to Bring to Judging	Fair Exhibit for Premium
431	Living and Learning with Children	<ol style="list-style-type: none"> 1. Complete activities as they are listed in the project book on pages, 4, 5, and 6. 2. Keep log or project activities. 3. Do at least one activity from each of the following: physical, mental, dramatic, and social play. 4. Make two items to be used in play activities in #3 above. 5. Member may consider visiting a Day Care facility. 	<ol style="list-style-type: none"> 1. Completed log of project activities and two items made and used for play activities. 	<ol style="list-style-type: none"> 1. Exhibit two items made and used for play activities.
432	More Living & Learning with Children	<ol style="list-style-type: none"> 1. Complete activities as they are listed in the project book on pages 2, 3, & 4 2. Keep log or project activities 3. Do at least one activity from each of the following: physical, mental, dramatic, and social play. 4. Make two items to be used in play activities in #3 above. 	<ol style="list-style-type: none"> 1. Completed log of project activities and two items made and used for play activities. 	<ol style="list-style-type: none"> 1. Exhibit two items made and used for play activities.
433	Teens Learn About Children	<ol style="list-style-type: none"> 1. Follow the project guidelines on page 1. 2. Keep accurate babysitting journal using format on page 10 and 11. 3. Develop educational poster on babysitting. 	<ol style="list-style-type: none"> 1. Completed project book, journal and posters. 	<ol style="list-style-type: none"> 1. Exhibit poster and journal.

Project #	Project Name	Completion Requirements for CREATIVE ARTS	Items to Bring to Judging	Fair Exhibit for Premium
592	Arts As An Expression <i>Juniors 13 & under as of Jan. 1</i> <i>Seniors 14 & older as of Jan. 1</i>	<ol style="list-style-type: none"> 1. All members must know elements of design. 2. All members 14 and over must know elements of design plus the principles of design. 3. Juniors must complete "The Artist as a Storyteller." Seniors must complete "The Artist as a Storyteller" and "The Architect & Architecture." All should do at least one follow-up activity. 4. All should complete at least 2 art projects from one of the Interest Areas 3-7 OR in the Medium of Your Choice Areas 8-9. Original work is preferred although kits and copies will be accepted. 5. Complete at least two Other Learning Experiences. 6. Complete at least two Leadership/Citizenship Activities. 	<ol style="list-style-type: none"> 1. Interview over project material. 2. Bring completed project book, records, scrapbook, sketches, plans, designs, etc. as applicable. Bring selected art project. 3. Be prepared to answer questions on elements and principles of design based on completion requirements. 	<ol style="list-style-type: none"> 1. Exhibit selected art project.

Project #	Project Name	Completion Requirements for DISCOVERING/ EXPLORING <small>These projects not eligible for State Fair</small>	Items to Bring to Judging	Fair Exhibit for Premium
91	Discovering 4-H I	<ol style="list-style-type: none"> 1. Explore "Things I Like, Where I Live, House Search, Working, Your Environment." 2. Complete all "Things to Do" in each interest area. 3. Write a summary about activities and knowledge gained and attach to book. 4. Make a terrarium. 5. Recommended as a one-time experience for ages 8-11. 	<ol style="list-style-type: none"> 1. Bring completed project book and terrarium. 2. Interview over project material. 	<ol style="list-style-type: none"> 1. Exhibit terrarium
92 & 93	Discovering 4-H II & III	<ol style="list-style-type: none"> 1. Explore "Neighbors, Plants & Soil, Nature, Machines & Tools, Recreation, Animal World" and more. 2. Complete all "Things to Do" in each interest area. 3. Write a summary about activities and knowledge gained and attach to book. 4. Make a poster that illustrates knowledge gained. 5. Recommend as a one-time experience for ages 8-11. 	<ol style="list-style-type: none"> 1. Bring completed project book and poster. 2. Interview over project material. 	<ol style="list-style-type: none"> 1. Exhibit poster
94	Exploring Animals	<ol style="list-style-type: none"> 1. Explore "Understanding Animals, Pets, Wildlife and Farm Animals." 2. Follow general project guidelines on page 4 of your project book. 3. Make a model as outline on page 9 OR mount and display insects as outlined on page 15. 4. Recommended as a one-time experience for ages 8-11. 	<ol style="list-style-type: none"> 1. Bring completed project book and model or insect display 2. Interview over project material 	<ol style="list-style-type: none"> 1. Exhibit model or insect display

Revised 2002

Project #	Project Name	Completion Requirements for DISCOVERING/ EXPLORING These projects not eligible for State Fair	Items to Bring to Judging	Fair Exhibit for Premium
95	Exploring Energy	<ol style="list-style-type: none"> 1. Follow general project guidelines on page 4 of your book 2. Explore "What is Energy, Making it Work for You, and Energy Conservation." 3. Design your own paper airplane as discussed on page 21 of book. 4. Recommended as a one-time experience for members in grade 3 to 6. 	<ol style="list-style-type: none"> 1. Bring completed project book and paper airplane. 2. Interview over project material. 	<ol style="list-style-type: none"> 1. Exhibit paper airplane
96	Exploring Me & My Home	<ol style="list-style-type: none"> 1. Follow general project guidelines on page 4 of your book. 2. Explore "Clothing & Textiles, Family Relations and Human Nutrition." 3. Design a poster of your family tree as discussed on page 15, 16 & 17. 4. Recommended as a one-time experience for members in grade 3 or 4. 	<ol style="list-style-type: none"> 1. Bring completed project book and family tree poster. 2. Interview over project material. 	<ol style="list-style-type: none"> 1. Exhibit Family Tree Poster
97	Exploring Plants	<ol style="list-style-type: none"> 1. Follow general project guidelines on page 4 of your book. 2. Explore "How We Get Plants, Plants We Eat, Plants We Use for Wood, and Plants are Beautiful." 3. Make a seed collection poster as outline on page 13 of book. 4. Recommended as a one-time experience for ages 8 to 11. 	<ol style="list-style-type: none"> 1. Bring completed project book and seed collection poster. 2. Interview over project material. 	<ol style="list-style-type: none"> 1. Exhibit Seed Collection Poster

Project #	Project Name	Completion Requirements for ELECTRICITY & ENGINEERING	Items to Bring to Judging	Fair Exhibit for Premium
527	Magic of Electricity Level 1	<ol style="list-style-type: none"> 1. Follow and complete the planning guide, project guidelines and achievement program outlined in the project book according to experience. 2. Participate in at least 2 leadership experiences. 3. Complete the minimum number of Electric Achievement Program activities each year. 4. Select and do at least one Brain Booster or make your own. 5. Learn basic electricity concepts and apply them by doing the experiences outlined in the project book. 	<ol style="list-style-type: none"> 1. Bring completed project book and any additional materials showing evidence of your work. 2. Interview over project material. 3. Bring a functioning project from an activity or experiment in your book. 	<ol style="list-style-type: none"> 1. Exhibit poster or project from your book.
528	Investigating Electricity Level 2	<ol style="list-style-type: none"> 1. Follow and complete the planning guide, project guidelines and achievement program outlined in the project book according to experience. 2. Participate in at least 2 leadership experiences. 3. Complete the minimum number of Electric Achievement Program activities each year. 4. Select and do at least one Brain Booster or make up your own. 5. Prepare a project utilizing the basic electric principles learned in the book. 	<ol style="list-style-type: none"> 1. Bring completed project book and any additional materials showing evidence of your work. 2. Interview over project material. 3. Bring a functioning project from an activity or experiment in your book. 	<ol style="list-style-type: none"> 1. Exhibit a poster or project from your book.

Project #	Project Name	Completion Requirements for ELECTRICITY & ENGINEERING	Items to Bring to Judging	Fair Exhibit for Premium
529	Wired for Power Level 3	<ol style="list-style-type: none"> 1. Follow and complete the planning guide, project guidelines and achievement program outlined in the project book according to experience. 2. Participate in at least 2 leadership experiences. 3. Complete the minimum number of Electric Achievement Program activities each year. 4. Select and do at least one Brain Booster or make up your own. 5. Prepare a project utilizing the basic wiring principles learned in the book. 	<ol style="list-style-type: none"> 1. Bring completed project book and any additional materials showing evidence of your work. 2. Interview over project material. 3. Bring a functioning project from an activity or experiment in your book. 	<ol style="list-style-type: none"> 1. Exhibit a poster or project from your book.
530	Entering Electronics Level 4	<ol style="list-style-type: none"> 1. Follow and complete the planning guide, project guidelines and achievement program outlined in the project book according to experience. 2. Participate in at least 2 leadership experiences. 3. Complete the minimum number of Electric Achievement Program activities each year. 4. Select and do at least one Brain Booster or make up your own. 5. Learn basic electronics concepts and apply them by doing the experiences outlined in the book. 	<ol style="list-style-type: none"> 1. Bring completed project book and any additional materials showing evidence of your work. 2. Interview over project material. 3. Bring a functioning project from an activity or experiment in your book. 	<ol style="list-style-type: none"> 1. Exhibit a poster or project from your book.

Project #	Project Name	Completion Requirements for ELECTRICITY & ENGINEERING	Items to Bring to Judging	Fair Exhibit for Premium
540	Rope	<ol style="list-style-type: none"> 1. Follow project guidelines on page 3 of book. 2. Make at least 10 types of knots labeled and mounted on display (at least 22" x 28"). 3. Learn various types of rope, knots and uses. 	<ol style="list-style-type: none"> 1. Bring completed project book, 1 page report and knot display. 2. Interview over project material. 3. Be prepared to explain or tie knots. 	<ol style="list-style-type: none"> 1. Exhibit knot display
573	Arcs and Sparks	<ol style="list-style-type: none"> 1. Must be 12 years old. 2. Follow project guidelines on page 3. 3. Prepare educational display including the 2 items built using the instructions from the back of project book. 	<ol style="list-style-type: none"> 1. Bring completed projects, 1 page report and educational display. 2. Interview over project material. 3. Projects shall be judged on quality of construction, finish and workmanship. 	<ol style="list-style-type: none"> 1. Exhibit display

Project #	Project Name	Completion Requirements for GARDENING & FIELD CROPS	Items to Bring to Judging	Fair Exhibit for Premium
548	Lawncare	<ol style="list-style-type: none"> 1. Recommended for youth who care for other's lawns as a money maker. 2. Follow project guidelines on page 4. 3. Keep a journal/notebook of activities completed. 4. Develop educational poster. 	<ol style="list-style-type: none"> 1. Bring completed project book, journal and poster. 2. Interview over project material. 	<ol style="list-style-type: none"> 1. Exhibit poster
660	Corn	<ol style="list-style-type: none"> 1. Recommended for members 12 and older. 2. Follow project guidelines on page 1. 3. Explore the corn plant, variety, planting nutrients, protection, harvest, storage and marketing. 4. Develop educational poster on one of the areas in #3 above. 	<ol style="list-style-type: none"> 1. Interview over project material. 2. Bring completed project book and poster. 	<ol style="list-style-type: none"> 1. Exhibit poster
661	Small Grains	<ol style="list-style-type: none"> 1. Recommended for members 12 and older. 2. Follow project guidelines on page 1. 3. Explore the parts of the plant, varieties, planting, nutrients, diseases, harvesting, storage and marketing. 4. Develop educational poster on one of the areas in #3 above. 	<ol style="list-style-type: none"> 1. Interview over project material. 2. Bring completed project book and poster. 	<ol style="list-style-type: none"> 1. Exhibit poster

Project #	Project Name	Completion Requirements for GARDENING & FIELD CROPS	Items to Bring to Judging	Fair Exhibit for Premium
662	Soybeans	<ol style="list-style-type: none"> 1. Recommended for members 12 and older. 2. Follow Project Guidelines on Page 1. 3. Explore soybean growth, varieties, planting, nutrients, protection, harvesting, and marketing. 4. Develop educational poster on one of the areas in #3 above. 	<ol style="list-style-type: none"> 1. Interview over project material. 2. Bring completed project book and poster. 	<ol style="list-style-type: none"> 1. Exhibit poster
673	From Seed to Flower	<ol style="list-style-type: none"> 1. Read and complete project book. 2. Complete steps 1 & 2 of the Planning Your Project section. 3. Explore all project interest areas. 4. Complete suggested activities based on 1st or 2nd year in the project. 5. Take part in at least 2 Organized Activities and at least 2 Leadership/Citizenship Activities. 6. First year members - grow at least 3 types of annual flowers and plan and care for a garden at least 25 square feet. Second year members - grow at least 5 types of flowers and plan and care for a garden at least 50 square feet. 7. If gardening in containers, you must still grow 3 types of annuals first year and 5 types the second year. 	<ol style="list-style-type: none"> 1. Interview over project material and bring completed project book. 2. Bring a representation of 3 varieties of flowers from your garden. 3. Bring photo illustration of your garden at different stages of growth. No more than 5 photos per poster. 	<ol style="list-style-type: none"> 1. Exhibit poster and photos.

Project #	Project Name	Completion Requirements for GARDENING & FIELD CROPS	Items to Bring to Judging	Fair Exhibit for Premium
674	Indoor Gardening	<ol style="list-style-type: none"> 1. Read and complete project book. 2. Explore and complete all Interest Areas/Lessons 3. Complete project activities and discovery questions. 4. Take part in at least two Leadership/Citizenship activities and two Learning Experiences. 5. Write a one page story on important things learned in project. 	<ol style="list-style-type: none"> 1. Interview over project material. 2. Bring completed project book and one page story. 3. Bring plants appropriate to project. 4. Bring photo illustration of your plants. No more than 5 photos per poster. 	<ol style="list-style-type: none"> 1. Exhibit poster and photos.
691	Vegetable Gardening I	<ol style="list-style-type: none"> 1. Follow project guidelines on page 1. 2. Learn about designing your garden in preparation for a garden plan. 	<ol style="list-style-type: none"> 1. Interview over project material. 2. Bring completed project book and log of any experiments. 3. Bring 3 varieties of vegetables from your garden. 4. Bring a photo illustration of each of your plants. No more than 5 pictures on a poster. 	<ol style="list-style-type: none"> 1. Exhibit 3 varieties of vegetables on a white paper plate.
692	Growing with the Seasons	<ol style="list-style-type: none"> 1. Follow project requirements in front of book. 2. Raise garden at least 20' x 20' in size. 3. Plant at least 12 different vegetables. Include tomatoes, cabbage, two root crops, two pod crops, three leafy vegetables and three other vegetables. 4. Learn nutritional value of vegetables. 	<ol style="list-style-type: none"> 1. Interview over project material. 2. Bring completed project book. 3. Bring 5 different varieties of vegetables from your garden arranged in one container, not over 24" wide. 	<ol style="list-style-type: none"> 1. Exhibit 5 varieties of vegetables in one container, not over 24" wide.

Project #	Project Name	Completion Requirements for GENEALOGY	Items to Bring to Judging	Fair Exhibit for Premium
441	Family History Treasure Hunt (Multi-year project)	<ol style="list-style-type: none"> 1. Follow project guidelines on page 2 of book. 2. Keep notebook/journal on records found and activities completed. 3. Develop educational poster on one of the activities you completed. 4. When taking project for more than one year you must complete different activities, make a new notebook and poster for each year. 	1. Project book, notebook or poster.	1. Exhibit poster

Project #	Project Name	Completion Requirements for HEALTH & FIRST AID	Items to Bring to Judging	Fair Exhibit for Premium
349	Health A, Discovering Myself	<ol style="list-style-type: none"> 1. Recommended for members in 3rd - 4th grade. 2. Each year member should complete a minimum of six (6) activities from the "<u>Discovering Myself</u>" Achievement Sheet. Each of the six activities should be from a different chapter. 3. In addition, youth will need to present a demonstration at the club, and school or county level. 4. Member should also complete at least three (3) of the "<u>My Discoveries</u>" section in each chapter. 	<ol style="list-style-type: none"> 1. Bring completed project book and any additional materials showing evidence of your work. 2. Interview over project material and activities. 3. Bring an educational poster or exhibit representative of project. 	<ol style="list-style-type: none"> 1. Exhibit educational poster or materials representative of project.
350	Health B, Fun With Friends	<ol style="list-style-type: none"> 1. Recommended for members in 5th - 6th grade. 2. Each year member should complete a minimum of six (6) activities from the "<u>Fun With Friends</u>" Achievement Sheet. Each of the six activities should be from a different chapter. 3. In addition, youth will need to present a demonstration at the club, and school or county level. 4. Member should also complete at least three (3) of the "<u>Fun With Friends</u>" section in each chapter. 	<ol style="list-style-type: none"> 1. Bring completed project book and any additional materials showing evidence of your work. 2. Interview over project material and activities. 3. Bring an educational poster or exhibit representative of project. 	<ol style="list-style-type: none"> 1. Exhibit educational poster or materials representative of project.

Project #	Project Name	Completion Requirements for HEALTH & FIRST AID	Items to Bring to Judging	Fair Exhibit for Premium
352	Safety in Everyday Living (First Aid)	<ol style="list-style-type: none"> 1. Recommended for members 11 years or older (May be completed as group project.) 2. Follow project guidelines on page 3 of book. 3. Explore common accidents and injuries, poisoning, insect bites and burns. 4. Determine appropriate supplies to be included in First Aid kit. 5. Assemble a first aid kit. 	<ol style="list-style-type: none"> 1. Bring completed project book and First Aid kit. 2. Interview over project material. 	<ol style="list-style-type: none"> 1. Exhibit First Aid kit.
357	Alcohol Decisions	<ol style="list-style-type: none"> 1. Recommended for members 14-18 years old. 2. Follow project guidelines on page 4 of book. 3. Explore alcoholism, alcohol choices, affects of alcohol on your body. 4. Prepare an educational report and poster on some aspect of alcohol awareness. 	<ol style="list-style-type: none"> 1. Bring completed project book, report and poster. 2. Interview over project material. 	<ol style="list-style-type: none"> 1. Exhibit poster and report.
358	Tobacco and You	<ol style="list-style-type: none"> 1. Recommended for members 14-18 years old. 2. Follow project guidelines on page 1 of book. 3. Explore smoking choices, smokeless tobacco effects and tobacco affects to your body. 4. Prepare an educational report on some aspect of tobacco awareness. 	<ol style="list-style-type: none"> 1. Bring completed project book, report and poster. 2. Interview over project material. 	<ol style="list-style-type: none"> 1. Exhibit poster and report.

Project #	Project Name	Completion Requirements for HOME DECORATING	Items to Bring to Judging	Fair Exhibit for Premium
491	Adventures in Home Living	<ol style="list-style-type: none"> 1. Follow project guidelines on page 4. 2. Explore color, texture, line, storage, curtains, wall hangings, etc. used in home decorating. 3. Read and complete project book. 4. Make or construct at least one item from activities in book. 	<ol style="list-style-type: none"> 1. Bring completed project book, records, and item made or constructed. 2. Interview over project materials. 	<ol style="list-style-type: none"> 1. Exhibit item made or constructed.
493	Furniture & Woodwork Recycling	<ol style="list-style-type: none"> 1. Choose to: restore an antique, refinish a piece of furniture/ woodwork, re-upholster a piece of furniture. 2. Keep log and pictures of refinishing process. 3. Read and complete project book. 	<ol style="list-style-type: none"> 1. Bring completed project book, log and piece of furniture. 2. Interview over project material. 	<ol style="list-style-type: none"> 1. Exhibit refinished furniture
494	Designing Interiors	<ol style="list-style-type: none"> 1. Follow project guidelines on page 3. 2. Explore planning, arranging, decorating, and design principles with interior living space. 3. Keep accurate records of plans and progress. 4. Develop educational poster on one of the areas listed in #2 above. 5. Read and complete project book. 	<ol style="list-style-type: none"> 1. Bring completed project book, records and poster. 2. Interview over project material. 	<ol style="list-style-type: none"> 1. Exhibit poster.
495	Your First Home Away from Home	<ol style="list-style-type: none"> 1. Recommended for ages 17 and up. 2. Follow project guidelines on page 4. 3. Explore starting your first home, finding things you need and getting along in a group. 4. Develop a notebook of your anticipated plan for housing. 5. Develop educational poster on one of the areas listed in #3. <p>** Not to include College dormitories**</p>	<ol style="list-style-type: none"> 1. Bring completed project book, notebook and poster. 2. Interview over project material. 	<ol style="list-style-type: none"> 1. Exhibit poster.

Project #	Project Name	Completion Requirements for HOME EQUIPMENT	Items to Bring to Judging	Fair Exhibit for Premium
403	Exploring The World of Small Appliances	<ol style="list-style-type: none"> 1. Follow Project Guidelines on page 4 of book. 2. Explore four different appliances. 3. Develop educational poster or other visual on one of the areas in #2 above. 	<ol style="list-style-type: none"> 1. Bring completed project book and poster. 2. Interview over project material. 	<ol style="list-style-type: none"> 1. Exhibit poster and project book.
404	Laundry for Beginners	<ol style="list-style-type: none"> 1. Follow project guidelines on page 3 of book. 2. Explore operating a washer and dryer, sorting clothes, using detergents and laundry aids and proper drying procedures. 3. Develop educational poster or other visual on one of the three areas in #2 above. 	<ol style="list-style-type: none"> 1. Bring completed project book, report, and poster or other visual. 2. Interview over project material. 	<ol style="list-style-type: none"> 1. Exhibit poster or other visual.
405	Advanced Laundry	<ol style="list-style-type: none"> 2. Follow project guidelines on page 3 of book. 3. Explore laundry processes, managing laundering and avoiding was day problems. 4. Develop educational poster or other visual on one of the areas in #2 above. 	<ol style="list-style-type: none"> 1. Bring completed project book, report and poster or other visual. 2. Interview over project material. 	<ol style="list-style-type: none"> 1. Exhibit poster or other visual.

Project #	Project Name	Completion Requirements for LEADERSHIP/ CITIZENSHIP	Items to Bring to Judging	Fair Exhibit for Premium
370	One to One	<ol style="list-style-type: none"> 1. Teen project focusing on a mentoring relationships with a younger club member. 2. Keep journal of project activities. 	<ol style="list-style-type: none"> 1. Bring project book and journal 2. Interview over project material. 	<ol style="list-style-type: none"> 1. Exhibit journal.
371	4-H Club Teen Leadership	<ol style="list-style-type: none"> 1. Teen project focusing on leadership for club activities. 2. Develop poster of activities accomplished. 	<ol style="list-style-type: none"> 1. Bring project book. 2. Bring poster. 3. Interview over project material. 	<ol style="list-style-type: none"> 1. Exhibit poster.
372	Multi-Level Teen Leadership	<ol style="list-style-type: none"> 1. Follow project guidelines in front of book. 2. Develop project notebook. 3. Develop educational poster. 	<ol style="list-style-type: none"> 1. Bring project book, notebook and poster. 2. Interview over project material. 	<ol style="list-style-type: none"> 1. Exhibit poster.
373	Teen Leadership on the Job	<ol style="list-style-type: none"> 1. Teen project focusing on working relationships on the job. 2. Recommended for teens who are currently employed. 3. Develop poster. 	<ol style="list-style-type: none"> 1. Bring project book or poster 2. Interview over project material 	<ol style="list-style-type: none"> 1. Exhibit poster.
374	Teen Boardmanship	<ol style="list-style-type: none"> 1. A guide for teens interested in serving on boards and committees. 2. Develop a project notebook. 3. Develop educational poster. 	<ol style="list-style-type: none"> 1. Bring project book, notebook and poster. 2. Interview over project material. 	<ol style="list-style-type: none"> 1. Exhibit poster.
377	Speak Out	<ol style="list-style-type: none"> 1. Follow project guidelines at front of book. 2. Explore elements that make a good speech, develop speaking skills and cooperate with others. 3. Give a minimum of 2 speeches to a group of at least 5 people. 4. Develop project notebook as outlined in project book. 	<ol style="list-style-type: none"> 1. Bring project book, and notebook 2. Interview over project material. 	<ol style="list-style-type: none"> 1. Exhibit notebook.

Project #	Project Name	Completion Requirements for LEADERSHIP/ CITIZENSHIP	Items to Bring to Judging	Fair Exhibit for Premium
391	Leadership Skills You Never Outgrow I	<ol style="list-style-type: none"> 1. Recommended for ages 9-11. 2. Follow project guidelines on page 2 of book. 3. Explore, Self, Communication, and Decision Making. 4. Develop educational poster on leadership activities you conducted with your club. 	<ol style="list-style-type: none"> 1. Bring completed project book, one page report and poster. 2. Interview over project material. 	<ol style="list-style-type: none"> 1. Exhibit poster.
392	Leadership Skills You Never Outgrow II	<ol style="list-style-type: none"> 1. Recommended for ages 12-19. 2. Explore getting along with others and learning to learn. 3. Same as #3 and #4 for project 391. 4. Follow project guidelines on page 1 of book. 	<ol style="list-style-type: none"> 1. Same as project 391. 	<ol style="list-style-type: none"> 1. Exhibit poster.
393	Leadership Skills You Never Outgrow III	<ol style="list-style-type: none"> 1. Recommended for ages 12-19. 2. Follow project guidelines on page 3 of book. 3. Expand skills related to Self, Communication, and Decision Making. 4. Same as #4 for project 391. 	<ol style="list-style-type: none"> 1. Same as project 391. 	<ol style="list-style-type: none"> 1. Exhibit poster.
394	Leadership Skills You Never Outgrow IV	<ol style="list-style-type: none"> 1. Recommended for ages 12-19. 2. Follow project guidelines on page 2 of book. 3. Expand skills related to Getting Along with Others and Learning to Learn. 4. Same as #4 for project 391. 	<ol style="list-style-type: none"> 1. Same as project 391. 	<ol style="list-style-type: none"> 1. Exhibit poster.

Project #	Project Name	Completion Requirements for LEADERSHIP/ CITIZENSHIP	Items to Bring to Judging	Fair Exhibit for Premium
396	And My World I, The World Around Me	<ol style="list-style-type: none"> 1. Follow project guidelines in MPG 396. 2. Complete notebook or scrapbook of project activities including Ecosystems, Water and Weather. 3. Develop educational poster on Water (page 19.) 	<ol style="list-style-type: none"> 1. Bring project book, scrapbook and educational poster. 2. Interview over project material. 	<ol style="list-style-type: none"> 1. Exhibit poster
397	And My World II, Peoples and Customs of the World	<ol style="list-style-type: none"> 1. Follow project guidelines in MPG 397. 2. Complete notebook or scrapbook of project activities including Customs, Cultures, Values and Attitudes. 3. Complete educational poster on one aspect (food, dress, art, religion, etc.) Of the culture of your choice. 	<ol style="list-style-type: none"> 1. Bring project book, scrapbook and educational poster. 2. Interview over project material. 	<ol style="list-style-type: none"> 1. Exhibit poster

Project #	Project Name	Completion Requirements for MONEY MANAGEMENT	Items to Bring to Judging	Fair Exhibit for Premium
445	Becoming Money Wise	<p>1. Project is designed for 10-13 yr. olds. Book has two levels that may be completed in one or two years. However, if the member completes the book in one year, they cannot repeat it but must advance to a more advanced project.</p> <p style="text-align: center;">LEVEL 1 (pages 6-19)</p> <p>1. Member should complete all "Making \$ense and "Money Talk" activities.</p> <p>2. Complete at least 4 optional "More Making \$ense" activities.</p> <p>3. Complete the "organized, leadership and citizenship" activities.</p> <p style="text-align: center;">LEVEL 2</p> <p>1. Complete all "Resource \$ense" and "Resource Talk" activities.</p> <p>2. Complete at least 4 optional "More Resource \$ense" activities</p> <p>3. Complete the "organized, leadership and citizenship activities.</p>	<p>1. Bring to still project judging your completed project book. Be able to demonstrate techniques and applications discussed in book.</p> <p>2. Bring posters, diagrams, records, etc. to judging to demonstrate project activities.</p>	<p>1. Display poster, diagram, records, etc. in your 4-H club booth. A project book by itself is not appropriate and will not receive a premium. It must be accompanied by additional items.</p>
448	Teens....On The Road To Financial Success	<p>2. Read and complete project book.</p> <p>3. Write a one page report telling what you did and learned.</p> <p>4. Develop an educational poster on one project activity.</p> <p>5. Recommended for ages 14 - 1.</p>	<p>1. Completed project book, report and poster.</p>	<p>1. Exhibit poster.</p>

Project #	Project Name	Completion Requirements for NATURAL RESOURCES	Items to Bring to Judging	Fair Exhibits for Premium
611	Let's Explore the Outdoors I	<ol style="list-style-type: none"> 1. Follow project guidelines on page 3. 2. Take at least 3 field trips to learn about the outdoors. 3. Keep a scrapbook of project activities and field trips. 4. Complete educational poster on what you learned during one of your field trips. 	<ol style="list-style-type: none"> 1. Completed project book, report, scrapbook, and poster. 2. Interview over project material. 	<ol style="list-style-type: none"> 1. Exhibit poster.
612	Let's Explore the Outdoors II	<ol style="list-style-type: none"> 1. Recommended for members 12 years old. 2. Follow project guidelines on page 4 of book. 3. Explore land, water, soil, wildlife, forest and how they fit together in careers. 4. Keep a scrapbook of project activities and field trips. 5. Complete educational poster on one of the six areas listed in #3 above. 	<ol style="list-style-type: none"> 1. Completed project book, report, scrapbook and poster. 2. Interview over project material. 	<ol style="list-style-type: none"> 1. Exhibit poster.
613	Exploring Our Forests	<ol style="list-style-type: none"> 1. Recommended for members 12 years old. 2. Follow general project guidelines on page 4. 3. Explore activities in these 8 things as they relate to forests; products, wildlife, water, land, enemies, growth, future and ecology. 4. Complete educational poster on one of the 8 areas listed in #3 above. 	<ol style="list-style-type: none"> 1. Completed project book, report and poster. 2. Interview over project material. 	<ol style="list-style-type: none"> 1. Exhibit poster.

Project #	Project Name	Completion Requirements for NATURAL RESOURCES	Items to Bring to Judging	Fair Exhibits for Premium
614	Tree Planting	<ol style="list-style-type: none"> 1. This project is designed for a 1-3 year experience for 4-H'ers of any age. (May be done as a group project.) 2. Follow project guidelines on page 3 of book. 3. Plant at least 10 forest trees. 4. Make a map or poster of planting area including the surrounding land. Show size, spacing and indicate slope of land trees are planted on. Photograph planting site if possible. After 1st year in project, other educational exhibits/posters can be completed. 5. Develop poster on: <ul style="list-style-type: none"> 1st year - Plantings 2nd year - Post planting care 3rd year - Pruning 	<ol style="list-style-type: none"> 1. Completed project book, and poster. 2. Interview over project material. 	<ol style="list-style-type: none"> 1. Exhibit poster
615	At Your Disposal	<ol style="list-style-type: none"> 1. This is a 1 or 2 year project. 2. Follow project guidelines in front cover. 3. Keep log/scrapbook of all project activities. 4. Make a mini-landfill and mini-dump as described in Activity 2. (Takes 4 weeks to complete.) 	<ol style="list-style-type: none"> 1. Bring completed required portion of project book, log/scrapbook and mini-landfill and mini-dump. 2. Interview over project material. 	<ol style="list-style-type: none"> 1. Exhibit mini-landfill and mini-dump
617	Exploring Ohio Ponds	<ol style="list-style-type: none"> 1. Complete the activities in the project book. 2. Learn about the water cycle and the kinds of uses of ponds. 3. Design your own pond map with explanation on poster board. 	<ol style="list-style-type: none"> 1. Bring completed project book and poster. 2. Interview over project material. 	<ol style="list-style-type: none"> 1. Exhibit poster.

Revised 2002

Project #	Project Name	Completion Requirements for NATURAL RESOURCES	Items to Bring to Judging	Fair Exhibits for Premium
621	Ohio Birds	<ol style="list-style-type: none"> 1. Possible group project. 2. Follow project guidelines on page 1 of book. 3. Identify 20 birds. 4. Locate 10 bird nests; record in project book. 5. Keep journal of birds sighted with date, place listed, and sketches-write a story. 	<ol style="list-style-type: none"> 1. Bring completed project book and journal. 2. Interview over project material. 	<ol style="list-style-type: none"> 1. Exhibit journal and story.
622	Trapping Muskrats in Ohio	<ol style="list-style-type: none"> 1. Recommended for 4-H'ers 12-19 years old. 2. This is a two year project divided into two levels: intermediate and advanced. 3. Follow project guidelines on page 3 of book. 4. Learn about muskrats and how to ethically and humanely trap muskrats. 5. Take part in three learning experiences, three citizenship/ leadership activities, complete two projects, and develop educational poster on interest area. 	<ol style="list-style-type: none"> 1. Bring completed project book and poster. 2. Interview over project material. 	<ol style="list-style-type: none"> 1. Exhibit poster.
623	Fishing for the Beginner	<ol style="list-style-type: none"> 1. Recommended for 4-H'ers 9-11 years old. 2. Follow project guidelines on page 4. 3. Learn types and proper use of fishing equipment. 4. Learn to identify Ohio fish. 5. Go on at least four fishing trips. 6. Develop educational poster on types of Ohio fish. 	<ol style="list-style-type: none"> 1. Bring completed project book and poster. 2. Interview over project material. 	<ol style="list-style-type: none"> 1. Exhibit poster.

Project #	Project Name	Completion Requirements for NATURAL RESOURCES	Items to Bring to Judging	Fair Exhibits for Premium
624	Fishing for the Intermediate	<ol style="list-style-type: none"> 1. Recommended for 4-H'ers 12-14 years old. 2. Follow project guidelines on page 4 of book. 3. Learn fishing techniques, fish feeding habits, special knots and how to clean and prepare fish. 4. Develop educational poster on fish habits, habitats, conservation OR cleaning and care of the catch. 	<ol style="list-style-type: none"> 1. Bring completed project book and poster. 2. Interview over project material. 	<ol style="list-style-type: none"> 1. Exhibit poster.
630	Safe Use of Guns	<ol style="list-style-type: none"> 1. Beginning level project designed as 1 time experience for 9-14 year old members. 2. Follow project guidelines on page 3 of book. 3. Explore the background of firearms, ammunition, safety, shooting positions, equipment and range firing. 4. Develop educational poster on safety. 	<ol style="list-style-type: none"> 1. Bring completed project book and poster. 2. Interview over project material. 	<ol style="list-style-type: none"> 1. Exhibit poster.
* 750	Rifle Record Book	<p>* #'s 750 - 755 are <u>record books</u> for use with project book # <u>630 - Safe Use of Guns</u>.</p>		
* 751	Archery Record Book			
* 752	Shotgun Record Book			
* 753	Pistol Record Book			
* 754	Hunting and Wildlife Record Book			
* 755	Muzzle Loading Record Book			

Revised 2002

Project #	Project Name	Completion Requirements for NATURAL RESOURCES	Items to Bring to Judging	Fair Exhibits for Premium
631	Archery	<ol style="list-style-type: none"> 1. Follow project guidelines on page 15 of book. 2. Explore selecting equipment, safety, stringing the bow, shooting skills, target shooting and equipment to make. 3. Obtain bow, target, arrows, arm guard and construct safe target. 4. Develop educational poster on safety. 	<ol style="list-style-type: none"> 1. Bring completed project book and poster. 2. Interview over project material. 	<ol style="list-style-type: none"> 1. Exhibit poster.
641	Basic Beekeeping	<ol style="list-style-type: none"> 1. Complete project book, including beekeeping records, financial summary, colony inspection, bee botany and at least 10 "Things to Do." 2. Learn how bees live, parts of beehive, assembling hives, etc. 3. Learn about beekeeping tools, etc. 4. Work with an experienced beekeeper. 5. Develop educational exhibit or display. 	<ol style="list-style-type: none"> 1. Bring completed project book and exhibit/display. 2. Interview over project material. 	<ol style="list-style-type: none"> 1. Exhibit display.
644	Exploring Insects I	<ol style="list-style-type: none"> 1. Recommended for ages 9-13. 2. Can be a two-year project 3. Learn to identify insects, how to collect, kill, and mount. 4. Prepare a collecting box, killing jar, collecting net, spreading board, and pinning block. 5. 1st year collect, mount and label 25 species which represent at least eight different orders. 6. 2nd year - collect, mount, and label 40 species which represent at least 12 orders. 	<ol style="list-style-type: none"> 1. Bring completed required portion of project book and insect collection. 2. Interview over project material. 	<ol style="list-style-type: none"> 1. Exhibit insect collection.

Project #	Project Name	Completion Requirements for NATURAL RESOURCES	Items to Bring to Judging	Fair Exhibits for Premium
645	Exploring Insects II	<ol style="list-style-type: none"> 1. Learn orders of insects and characteristics. 2. Expand insect collection to 55 specimens. 3. Complete and record 3 activities listed on page 3 of project book. 4. Complete life history poster on any insect. 	<ol style="list-style-type: none"> 1. Bring completed project book, poster and insect collection. 2. Interview over project material. 	<ol style="list-style-type: none"> 1. Exhibit poster or insect collection.

Project #	Project Name	Completion Requirement for OTHER PROJECTS	Items to Bring to Judging	Fair Exhibit for Premium
173	Horseless Horse (Not Judged at State Fair) <i>You must be enrolled in a Horse Club to take this project.</i>	<ol style="list-style-type: none"> 1. Follow project guidelines on page 3 of book. 2. Develop an educational poster on some aspect discussed in the project book (i.e. markings, breeds, etc). 3. For members age 8 to 13, write a one page report on what you learned. For members age 14 and up, write a two page report on either what you learned or some aspect of the horse industry. 4. All members are encouraged to keep a scrapbook of activities from book. 	<ol style="list-style-type: none"> 1. Bring completed project book, poster, report and scrapbook. 2. Interview over project material. 	<ol style="list-style-type: none"> 1. Exhibit poster, report, and scrapbook.
365	Self Determined	<ol style="list-style-type: none"> 1. Recommended for members age 12-18 years of age. 2. Complete project guidelines on inside cover of book. 3. Explore an interest that is not currently a project or expand on a project area. 4. Develop an educational poster on your area of interest. 	<ol style="list-style-type: none"> 1. Bring completed project book, records, and poster. 2. Interview on project material. 	<ol style="list-style-type: none"> 1. Exhibit poster.

Project #	Project Name	Completion Requirement for OTHER PROJECTS	Items to Bring to Judging	Fair Exhibit for Premium
490	Science Fun with Dairy Foods (Not Judged at State Fair)	<ol style="list-style-type: none"> 1. Recommended for members age 14 and up. 2. Follow project guidelines on page 2 of book. 3. Explore how sour milk, yogurt, cottage cheese, custard, ice cream and butter are made and what chemical reactions take place. 4. Develop educational poster on one of the areas in #3 above. 	<ol style="list-style-type: none"> 1. Bring completed project book, records, and poster. 2. Interview on project material. 	<ol style="list-style-type: none"> 1. Exhibit poster.
496	Collectibles (Not Judged at State Fair)	<ol style="list-style-type: none"> 1. Follow project guidelines on page 4 of book. 2. Develop an educational poster, illustrating some aspect of project. 	<ol style="list-style-type: none"> 1. Completed project book, poster and records of all items collected. 2. If possible, bring collection. 3. Interview over project material. 	<ol style="list-style-type: none"> 1. Exhibit poster.
501GPM	Rockets Away	<ol style="list-style-type: none"> 1. Recommended as a group project leader's guide for rocket projects. 		

Project #	Project Name	Completion Requirements for PHOTOGRAPHY	Items to Bring to Judging	Fair Exhibit for Premium
579	Adventures With Your Camera-A	<ol style="list-style-type: none"> 1. Learn the basic care and use of a camera and film. 2. Complete Member's Project Guide (579). 3. Prepare of the following for judging: One print mounted at discretion of exhibitor no larger than 8 x 10 OR Photo story consisting of 5 and not more than 10 photos, mounted at discretion of exhibitor. OR A collection of 5 and not more than 10 photo mounted at discretion of exhibitor illustrating "an Adventure" completed for the project. 4. Developing and printing not done by exhibitor. 5. Project designed for ages 8 -10 ONLY. 	<ol style="list-style-type: none"> 1. Completed project book, mounted print, picture story, or "adventure." (see #3 in Completion Requirements). 2. Interview over project materials. 	<ol style="list-style-type: none"> 1. Exhibit print, story, or "adventure."

Project #	Project Name	Completion Requirements for PHOTOGRAPHY	Items to Bring to Judging	Fair Exhibit for Premium
580	Adventures With Your Camera-B	<ol style="list-style-type: none"> 1. Learn photography skills in composition, lighting, cropping photos, and using the flash. 2. Learn the technology behind film processing, and types of film and photography careers. 3. Prepare one of the following for judging: Keep a Photo Journal and complete Adventure Activity Sheets in the project manual. OR A collection of 5 flash photos telling a story. OR A collection of 5 photos processed by the exhibitor. OR A collection of 5 and not more than 10 photos mounted at discretion of exhibitor illustrating "an Adventure" completed for project. 4. Developing and printing may be done by exhibitor, but not required. 5. Complete project guidelines on page 2 of Member Project Guide. 6. Recommended for ages 11 - 14 ONLY. 	<ol style="list-style-type: none"> 1. Completed project book and one of options for judging (see #3 in Completion Requirements). 2. Interview over project materials. 	<ol style="list-style-type: none"> 1. Exhibit one of options from judging.

Revised 2002

Project #	Project Name	Completion Requirements for PHOTOGRAPHY	Items to Bring to Judging	Fair Exhibit for Premium
583	Adventures with Adjustable Cameras, Unit 2, level 2	<ol style="list-style-type: none"> 1. Learn photo skills using an adjustable camera. 2. Learn about color photography, camera and film selection, photo accessories and basic techniques in developing. 3. Prepare one of the following for judging: One print mounted at discretion of exhibitor including "photo statuette or panorama. OR An enlargement mounted at discretion of exhibitor and accompanied by original print. OR A collection of 5 and not more than 10 photos mounted at discretion of exhibitor illustrating "an Adventure" completed for the project. OR A news story with original photo mounted at the discretion of exhibitor and accompanied by published article. 4. Developing and printing may be done by exhibitor, but not required. 5. Complete project guidelines on page 2 of book. 	<ol style="list-style-type: none"> 1. Completed project book, 583 MPG and one of options for judging (see #3 in Project Completion). 2. Interview over project material. 	<ol style="list-style-type: none"> 1. Exhibit one of options for judging.

Revised 2002

Project #	Project Name	Completion Requirements for PHOTOGRAPHY	Items to Bring to Judging	Fair Exhibit for Premium
365P	Advanced Photography (Self Determined)	<ol style="list-style-type: none"> 1. Prepare one of the following for judging: Exhibit one print, mounted at the discretion of exhibitor. OR An enlargement mounted at discretion of exhibitor and accompanied by original print OR A collection of 5 and not more than 10 photos mounted at discretion of exhibitor for a picture story of documentary. OR A news story with original photo mounted at the discretion of exhibitor and accompanied by published article. OR A slide story exhibited in Kodak carousel tray. 2. Developing and printing may be done by exhibitor, but not required. 3. Write your own project objectives and complete project book. 	<ol style="list-style-type: none"> 1. Completed project book and one of options for judging (See #1 in project completion) and scrapbook of project activities. 2. Interview over project material. 	<ol style="list-style-type: none"> 1. Exhibit one of options for judging.

Project #	Project Name	Completion Requirements for SMALL ENGINES	Items to Bring to Judging	Fair Exhibit for Premiums
541	Crank It Up	<ol style="list-style-type: none"> 1. Learn external engine parts, how to start an engine, discover the tools of the trade. 2. Learn about lubrication, fuel, air cleaner, cooling principles and spark plugs. 3. Identify the many ways small engines are used, small engine safety and study careers relate to small engines. 4. Complete member project book and at least 7 of the activities. Exhibit a poster related to one of the 14 activities in the project book. Complete at least one of the Race Ahead activities. For grades 3 - 5 only. 	<ol style="list-style-type: none"> 1. Bring completed book with project objectives completed 2. Poster related to an activity in the book. 3. Interview over the Project material. 	<ol style="list-style-type: none"> 1. Exhibit Poster and Project Book.
542	Warm It Up	<ol style="list-style-type: none"> 1. Learn internal engine parts, types of engines, specialized tools, engine size, compression ratio and lubricants. 2. Learn about the transfer of power, winterizing your engine, and safe operation. 3. Learn about buying supplies, comparative shopping and starting your own small business. 4. Complete member project book and at least 7 activities. Exhibit a poster related to one of the 14 activities in the project book. Complete at least one of the Race Ahead activities. For grades 6 - 8 only. 	<ol style="list-style-type: none"> 1. Bring completed book with project objectives completed. 2. Poster related to a activity in the book. 3. Interview over the Project material. 	<ol style="list-style-type: none"> 1. Exhibit Poster and Project Book.

Revised 2002

Project #	Project Name	Completion Requirements for SMALL ENGINES	Items to Bring to Judging	Fair Exhibit for Premiums
543	Tune It Up	<ol style="list-style-type: none"> 1. Learn about engine sounds, diagnostic tools and completely tear down and rebuild an engine. 2. Learn proper maintenance for work machines, environmental issues, buying equipment and start your own business. 3. Complete member project book and at least 7 activities. Exhibit a poster related to one of the 14 activities in the project book. Complete at least one of the Race Ahead activities. For grades 9 - 12 only. 	<ol style="list-style-type: none"> 1. Bring completed book with project objectives completed. 2. Poster related to a Activity in the book. 3. Interview over the Project material. 	<ol style="list-style-type: none"> 1. Exhibit Poster and Project Book.

Project #	Project Name	Completion Requirements for VETERINARY SCIENCE	Items to Bring to Judging	Fair Exhibit for Premium
241	Normal Animal	<ol style="list-style-type: none"> 1. Must have access to an animal or bird. 2. Complete project book. (May adapt or omit activities requiring special equipment.) 3. Learn basic structure of animal body and normal health characteristics. 4. Develop educational poster on one of the organs and systems of an animal. 	<ol style="list-style-type: none"> 1. Bring completed project book and poster. 2. Interview over project material. 	<ol style="list-style-type: none"> 1. Exhibit poster.
242	Animal Diseases, Unit II	<ol style="list-style-type: none"> 1. Study the relationship of the following to animal disease: bacteria; viruses, parasites, nutrition, poisons, stress and heredity. 2. Complete project book. 3. Develop educational poster on one of the 7 areas listed in #1 above. 	<ol style="list-style-type: none"> 1. Bring completed project book and poster. 2. Interview over project material. 	<ol style="list-style-type: none"> 1. Exhibit poster.
243	Animal Health-Relation to World, Unit III	<ol style="list-style-type: none"> 1. Learn how animal's body resists attack of diseases. 2. Learn about allergies, explore diseases transmitted from animal to man. 3. Learn about environmental and public health. 4. Spend at least one day with a veterinarian. 5. Keep a log of all activities. 6. Develop an educational poster on one of the topics in #1, #2, #3 above. 	<ol style="list-style-type: none"> 1. Bring completed project book, log and poster. 2. Interview over project material. 	<ol style="list-style-type: none"> 1. Exhibit poster.

Project #	Project Name	Completion Requirements for WOODWORKING	Items to Bring to Judging	Exhibit for Premium
556	Measuring Up - Level 1	<ol style="list-style-type: none"> 1. Follow project guidelines and planning guide in book. Complete all requested items according to experience level. Member may take two years to complete project book. 2. Learn to measure, cut, drill, sand, use basic hand tools, fasten with nails and screws, practice good safety techniques and understand lumber dimensions. Members should also be able to measure 1/2" and nail wood together. 3. Participants should make and exhibit a project which shows they learned to utilize hand tools. Power tools (with the exception of a drill) should not be used in this project. 4. Members should make at least one of the items listed on page 10 of their project book. Additional items may be constructed using similar techniques outlined in this project. The use of kits is prohibited. 	<ol style="list-style-type: none"> 1. Bring completed project book and woodworking project(s). 2. Interview over project material and techniques learned. 	<ol style="list-style-type: none"> 1. Exhibit woodworking project(s). <p style="text-align: right;">Revised 2002</p>

Project #	Project Name	Completion Requirements for WOODWORKING	Items to Bring to Judging	Exhibit for Premium
557	Making the Cut - Level 2	<ol style="list-style-type: none"> 1. Follows project guidelines and planning guide in book. Complete all requested items according to experience level. 2. Project is designed for youth who may have used a hammer, hand saw, hand or cordless drill and other basic hand tools. Members should also be able to measure to 1/4" and glue wood together. 3. Participants should learn to measure, cut, drill, and sand using advanced hand tools and basic power tools; how to select an applicator; apply paints; fasten using bolts, staples and glue; ground power tools; and explore a wood science career. 4. Members should make at least one of the items listed on page 10 of their project book. Additional items may be constructed using similar techniques outlined in this project. The use of kits is prohibited. 	<ol style="list-style-type: none"> 1. Bring completed project book and woodworking project(s). 2. Interview over project material and techniques learned. 	<ol style="list-style-type: none"> 1. Exhibit woodworking project(s).

Revised 2002

Project #	Project Name	Completion Requirements for WOODWORKING	Items to Bring to Judging	Exhibit for Premium
558	Nailing It Together - Level 3	<ol style="list-style-type: none"> 1. Follow project guidelines and planning guide in book. Complete all requested items according to experience level. 2. Skills youth will practice and learn include: measuring angles, cutting dados and rabbets, drilling, applying a finish, sanding, using power tools (such as table or radial arm saws), applying stains, using hinges and brackets, making a dowel joint, enlarging a wood plan and investigating a wood science career. Members should also be able to measure to 1/8" and screw wood together. 3. Members should make at least one of the items listed on page 8 of their project book. Additional items may be constructed using similar techniques outlined in this project. The use of kits is prohibited. 	<ol style="list-style-type: none"> 1. Bring completed book and woodworking project(s). 2. Interview over project material and techniques learned. 	<ol style="list-style-type: none"> 1. Exhibit woodworking project(s). <p style="text-align: right;">Revised 2002</p>

Project #	Project Name	Completion Requirements for WOODWORKING	Items to Bring to Judging	Exhibit for Premium
559	Finishing Up - Level 4	<ol style="list-style-type: none"> 1. Follow project guidelines and planning guide in book. Complete all requested items according to experience level. 2. Project is designed for youth who feel competent with power tools such as a table saw, radial arm saw, drill press and jig saw. 3. Participants should learn to develop a plan; use a router, portable planer and jointer; make a blind mortise and tenon joint; make dovetail joints; and conduct experiments with adhesives and various strippers. Members should also be able to measure to 1/16" and connect wood using dovetail joints. 4. Members should make at least one of the items listed on page 9 of their project book. Additional items may be constructed using similar techniques outlined in this project. The use of kits is prohibited. 	<ol style="list-style-type: none"> 1. Bring completed project book and woodworking project(s). 2. Interview over project material and techniques learned. 	<ol style="list-style-type: none"> 1. Exhibit woodworking project(s).

Revised 2002

Project #	Project Name	Completion Requirements for WOODWORKING	Items to Bring to Judging	Exhibit for Premium
365	Self Determined - Woodworking	<ol style="list-style-type: none"> 1. Write your own project guidelines and objectives. 2. Recommended for members age 12 and up. 3. Keep records of plans, designs, and expenses. 4. Participants can use any power tools. 5. Participants should exhibit a project which shows the use of power tools. <p style="text-align: center;">*****NO KITS*****</p>	<ol style="list-style-type: none"> 1. Bring completed book with project objectives. 2. Woodworking project. 3. Interview over project material. 	<ol style="list-style-type: none"> 1. Exhibit woodworking item.