

4-H Exhibit Project and Class List 2021

ENGINEERING AND TECHNOLOGY

AEROSPACE

AS811AEROSPACE 1 NOVICE: any item made
AS812 AEROSPACE 2 INTERMEDIATE: any item made
AS813AEROSPACE 3 ADVANCED: any item made
Display on a launch pad not more than 18" square in an upright position.

COMPUTERS and PROGRAMMING

CP895 SCRATCH: any item made
CP896 ALICE: any item made
CP897 OTHER PROGRAMMING LANGUAGES or
COMPUTER PROGRAMS: any item made

ELECTRICITY

Items should be made in accordance with the National Electrical Code. Consult power suppliers or electricians for code requirements. Battery operated items are also eligible items. Batteries should be disconnected or have a piece of black electrician tape placed on the ends.
EL831 ELECTRICITY 1 NOVICE: any item made
EL832 ELECTRICITY 2 INTERMEDIATE: any item made
EL833 ELECTRICITY 3 ADVANCED: any item made

ENERGY

EG861 POWER OF THE WIND: any item made

GEOSPATIAL

GS991 GEOSPATIAL 1 NOVICE: any item made
GS992 GEOSPATIAL 2 INTERMEDIATE: any item made
GS993 GEOSPATIAL 3 ADVANCED: any item made

ROBOTICS

RO881 JUNK DRAWER ROBOTS 1 NOVICE: any item made
RO882 JUNK DRAWER ROBOTS 2 INTERMEDIATE: any item made
RO883 JUNK DRAWER ROBOTS 3 ADVANCED: any item made
RO884 ROBOTICS 1 WITH EV3: any item made
RO885 ROBOTICS 2 EV3N MORE: any item made
RO886 ADDITIONAL ROBOTICS PLATFORMS: any item made
RO887 YOUTH ROBOTICS COMPETITION PARTNERS

SMALL ENGINES

SE851 SMALL ENGINES 1 NOVICE: any item made

SE852 SMALL ENGINES 2 INTERMEDIATE: any item made
SE853 SMALL ENGINES 3 ADVANCED: any item made

WELDING

WE846 WELDING: any item made

WOODWORKING

WO871 WOODWORKING 1 NOVICE: any item made
WO872 WOODWORKING 2 INTERMEDIATE: any item made
WO873 WOODWORKING 3 ADVANCED: any item made

ENVIRONMENTAL SCIENCE AND NATURAL RESOURCES

AMPHIBIANS AND REPTILES

AR611 AMPHIBIANS AND REPTILES: any item made, no live animals.

ENTOMOLOGY

Boxes must be no larger than 18" long x 24" wide x 3 1/2" deep. All boxes must have a clear display lid; no open boxes allowed. The insects should be named, labeled and mounted so the boxes can be displayed horizontally. Securely fasten display cover with tape or screws. If a member's entomology collection is displayed in more than one box, the member may send only one box for display.
EN921 ENTOMOLOGY 1 NOVICE: any item made
EN922 ENTOMOLOGY 2 INTERMEDIATE: any item made
EN923 ENTOMOLOGY 3 ADVANCED: any item made
EN924 BEE KEEPING 1 NOVICE: any item made
EN925 BEE KEEPING 2 INTERMEDIATE: any item made
EN926 BEE KEEPING 3 ADVANCED: any item made
EN927 BUTTERFLY WINGS: any item made

EXPLORING THE ENVIRONMENT

EE914 ECOSYSTEM SERVICES: any item made
EE915 EARTH'S CAPACITY: any item made

FORESTRY

FO931 FORESTRY 1 NOVICE: any item made
FO932 FORESTRY 2 INTERMEDIATE: any item made
FO933 FORESTRY 3 ADVANCED: any item made

GEOLOGY

Suggested box size is 18" long x 24" wide x 3 1/2" deep. All boxes must have a clear display lid; no open boxes allowed. Specimens should be named, labeled and mounted so the boxes can be displayed horizontally. Rocks need to be attached in the box securely. Securely fasten display cover

with tape or screws. If a member's geology collection is displayed in more than one box, the member may send only one box for display.

GG941 GEOLOGY: any item made

OUTDOOR ADVENTURES

OA761 OUTDOOR 1 (HIKING): any item made

OA762 OUTDOOR 2 (CAMPING): any item made

OA763 OUTDOOR 3 (BACKPACKING): any item made

SOIL AND WATER SCIENCE

SW916 SOIL AND WATER SCIENCE 1 NOVICE: any item made

SW917 SOIL AND WATER SCIENCE 2 INTERMEDIATE: any item made

SW918 SOIL AND WATER SCIENCE 3 ADVANCED: any item made

SPORT FISHING

SF725 SPORT FISHING 1 NOVICE: any item made

SF726 SPORT FISHING 2 INTERMEDIATE: any item made

SF727 SPORT FISHING 3 ADVANCED: any item made

WEATHER AND CLIMATE SCIENCE

WC934 WEATHER AND CLIMATE SCIENCE 1 NOVICE: any item made

WC935 WEATHER AND CLIMATE SCIENCE 2 INTERMEDIATE: any item made

WC936 WEATHER AND CLIMATE SCIENCE 3 ADVANCED: any item made

WILDLIFE

WI720 WILDLIFE CONSERVATION 1 NOVICE: any item made

WI721 WILDLIFE CONSERVATION 2 INTERMEDIATE: any item made

WI722 WILDLIFE CONSERVATION 3 ADVANCED: any item made

PLANT AND ANIMAL SCIENCE

AGRONOMY: FIELD CROPS

AG982 FIELD CROPS 1 NOVICE: any item grown

AG983 FIELD CROPS 2 INTERMEDIATE: any item grown

AG984 FIELD CROPS 3 ADVANCED: any item grown

BEEF

BF121 BEEF 1 NOVICE: any item made

BF122 BEEF 2 INTERMEDIATE: any time made

BF123 BEEF 3 ADVANCED: any item made

BC135 BUCKET CALF: any item made

CATS

CA177 CAT CARE 1 NOVICE: any item made

CA178 CAT CARE 2 INTERMEDIATE: any item made

CA179 CAT CARE 3 ADVANCED: any item made

DAIRY (Also see Goats)

DA131 DAIRY 1 NOVICE: any item made

DA132 DAIRY 2 INTERMEDIATE: any item made

DA133 DAIRY 3 ADVANCED: any item made

DA134 JUDGING DAIRY CATTLE: any item made

DOGS

DG171 DOG 1 NOVICE: any item made

DG172 DOG 2 INTERMEDIATE: any item made

DG173 DOG 3 ADVANCED: any item made

GOATS

GA125 MEAT GOATS 1 NOVICE: any item made

GA126 MEAT GOATS 2 INTERMEDIATE: any item made

GA127 MEAT GOATS 3 ADVANCED: any item made

GA136 DAIRY GOATS 1 NOVICE: any item made

GA137 DAIRY GOATS 2 INTERMEDIATE: any item made

GA138 DAIRY GOATS 3 ADVANCED: any item made

HORSES

HS140 HORSELESS HORSE & KNOWLEDGE: any item made

HS141 HORSE RIDING: any item made

HORTICULTURE

FLORICULTURE - Live plants or cut specimens must be displayed in a container no larger than 8" in diameter. May be fresh or dried.

HO961 FLORICULTURE 1 NOVICE: any item grown or made

HO962 FLORICULTURE 2 INTERMEDIATE: any item grown or made

HO963 FLORICULTURE 3 ADVANCED: any item grown or made

GARDENING (fruits and vegetables) - The number in parentheses is the number of items displayed. The 4-H'er must have grown the vegetables. The following guidelines should be followed:

1. Vegetables must be of reasonable quality to keep for more than a week.

2. Use disposable containers (paper plates or boxes) to transport the items.

3. Vegetables will be displayed as a large farmer's market display.

Beets (4) Cantaloupe (1) Cucumbers (slicing) (4) Egg Plant (2)
Onions - dry (4) Peppers (4) Potatoes (4) Pumpkin (1) Summer
Squash (2) Tomatoes (4) Watermelon (1) Winter Squash (1)
Other Vegetables (1 for larger and 4 for smaller produce)
HO971 GARDENING 1 NOVICE: any item grown or made
HO972 GARDENING 2 INTERMEDIATE: any item grown or made
HO973 GARDENING 3 ADVANCED: any item grown or made

LANDSCAPE DESIGN

LD975 LANDSCAPE DESIGN 1 NOVICE: any item made
LD976 LANDSCAPE DESIGN 2 INTERMEDIATE: any item made
LD977 LANDSCAPE DESIGN 3 ADVANCED: any item made

LIVESTOCK JUDGING

LJ117 LIVESTOCK JUDGING: any item made

MEATS

ME114 COUNTRY CURED BACON: any item made
ME115 COUNTRY CURED HAM: any item made
ME116 MEAT EVALUATION PROJECT: any item made

PETS

PE101 PETS 1 NOVICE: any item made
PE102 PETS 2 INTERMEDIATE: any item made
PE103 PETS 3 ADVANCED: any item made
PE104 GUNIEA PIGS (Cavies): any item made

POULTRY

PO151 POULTRY 1 NOVICE: any item made
PO152 POULTRY 2 INTERMEDIATE: any item made
PO153 POULTRY 3 ADVANCED: any item made

RABBITS

RB111 RABBITS 1 NOVICE: any item made
RB112 RABBITS 2 INTERMEDIATE: any item made
RB113 RABBITS 3 ADVANCED: any item made

SHEEP

SH161 SHEEP 1 NOVICE: any item made
SH162 SHEEP 2 INTERMEDIATE: any item made
SH163 SHEEP 3 ADVANCED: any item made

SWINE

SW181 SWINE 1 NOVICE: any item made
SW182 SWINE 2 INTERMEDIATE: any item made
SW183 SWINE 3 ADVANCED: any item made

VETERINARY SCIENCE

VS191 VETERINARY SCIENCE 1 NOVICE: any item made
VS192 VETERINARY SCIENCE 2 INTERMEDIATE: any item made
VS193 VETERINARY SCIENCE 3 ADVANCED: any item made

LEADERSHIP AND PERSONAL DEVELOPMENT

CAREER EXPLORATIONS

CE100 CAREER EXPLORATIONS: any item made

CIVIC ENGAGEMENT

CI200 CIVIC ENGAGEMENT: any item made

COMMUNICATIONS

CM237 COMMUNICATIONS 1 NOVICE: any item made
CM238 COMMUNICATIONS 2 INTERMEDIATE: any item made
CM239 COMMUNICATIONS 3 ADVANCED: any item made

CONSUMER SAVVY

CS431 CONSUMER 1 NOVICE: any item made
CS432 CONSUMER 2 INTERMEDIATE: any item made
CS433 CONSUMER 3 ADVANCED: any item made

ENTREPRENEURSHIP

EP442 ENTREPRENEURSHIP 1 NOVICE: any item made
EP443 ENTREPRENEURSHIP 2 INTERMEDIATE: any item made
EP444 ENTREPRENEURSHIP 3 ADVANCED: any item made

FINANCIAL LITERACY

FC421 FINANCIAL LITERACY 1: any item made
FC422 FINANCIAL LITERACY 2: any item made

GLOBAL EDUCATION

GE221 GLOBAL EDUCATION: any item made

LEADERSHIP

LD271 LEADERSHIP 1 NOVICE: any item made
LD272 LEADERSHIP 2 INTERMEDIATE: any item made
LD273 LEADERSHIP 3 ADVANCED: any item made

COMMUNICATION AND EXPRESSIVE ARTS

ARTS AND CRAFTS

Scrapbooking exhibits should be 1 page/1 side representative of the complete scrapbook.

1. Size not to exceed 12"x12".
2. All pages should be in clear protective sleeve or clear zipper bag.
3. Do not frame scrapbook page.
4. If more than one page is submitted for an exhibit, the exhibit will be disqualified.

AC311 ARTS AND CRAFTS: any item made

AC312 VISUAL ARTS: DRAWING, FIBER ARTS, AND SCULPTURE: any item made

AC313 VISUAL ARTS: PAINTING, PRINTING, AND GRAPHIC DESIGN: any item made

AC314 GRAPHIC DESIGN: any item made

AC315 SCRAPBOOKING: any item

CLOTHING

Be sure to double tag all clothing items.

CL521 SEWING 1 NOVICE: any item made

CL522 SEWING 2 INTERMEDIATE: any item made

CL523 SEWING 3 ADVANCED: any item made

CL524 SHOPPING IN STYLE: any item bought or made

CLOWNING

CW231 CLOWNING: any item made

CROCHET

CR321 CROCHET: any item made

FILMMAKING

FM270 FILMMAKING: any item made

INTERIOR DESIGN

ID471 INTERIOR DESIGN 1 NOVICE: any item made

ID 472 INTEIOR DESIGN 2 INTERMEDIATE: any item made

ID 473 INTEIOR DESIGN 3 ADVANCED: any item made

KNITTING

KN331 KNITTING: any item made

PHOTOGRAPHY

REQUIREMENTS:

1. Photos must be mounted on a rectangular 8" x 10" solid mounting surface.

2. The preferred surface is matte board. Can be in a color of the photographer's choice.

3. Photographs must be 8" x 10" or smaller, with no more than four photos per mat board.

4. The mounted photo should be placed in a clear plastic 8 ¼ x 10 ½ inch sleeve.

PLEASE NOTE:

Solid requires that there are no cutouts (or other holes) in the matte board, either around or behind the photo (for example, a surface shaped like a picture frame is not a solid mounting surface). Photo exhibits should arrive in a bag that fits the photo, to protect it from dust, humidity, and handling.

DIGITAL EDITING RULES

For State Fair 4-H photography exhibits, certain types of editing are permissible and others are not.

1. Altering (editing to change the contents of) a photo is not permitted for State Fair exhibits.

- Examples include adding a sunset or object, removing someone from the shot, airbrushing to cover a bad complexion, giving a photo subject dinosaur eyes, etc.

2. Enhancing (editing to improve the existing qualities of) a photo is permitted.

- Examples include cropping the photo, eliminating redeye and changing levels of saturation, brightness, contrast, etc.

PH351 PHOTOGRAPHY 1 NOVICE: any item made

PH352 PHOTOGRAPHY 2 INTERMEDIATE: any item made

PH353 PHOTOGRAPHY 3 ADVANCED: any item made

PUBLIC SPEAKING

PS242 PUBLIC SPEAKING: any item made

QUILTING

QU341 QUILTING 1 NOVICE: any item made

QU342 QUILTING 2 INTERMEDIATE: any item made

QU343 QUILTING 3 ADVANCED: any item made

THEATRE ARTS

TA251 THEATRE ARTS 1 NOVICE: any item made

TA252 THEATRE ARTS 2 INTERMEDIATE: any item made

TA253 THEATRE ARTS 3 ADVANCED: any item made

HEALTHY LIVING

CAKE DECORATING

Decorated Cakes - Cakes should not exceed 13" in height or at the base. Cake boards should not exceed 1" margin on each side of cake form and is considered in the 13" base

requirements. Cake boards should be sturdy, especially if using a cake pan. The use of Styrofoam forms is recommended.

May only use Royal Icing, Rolled Fondant or commercial product that will harden and preserve the decorated cake. Cakes may only contain non-perishable items. They should not be real cakes, use butter crème icing or tube/gel icing, or include items such as pineapple tops or real flowers. Adding Tylose powder to fondant will help it hold its shape in humidity. Cakes with candy decorations are allowed; However, avoid using candy that melts (e.g., M&Ms, candy canes, etc.). Cakes that have melting items will be removed from display.

CD361 CAKE DECORATING 1 NOVICE: any item made

CD362 CAKE DECORATING 2 INTERMEDIATE: any item made

CD363 CAKE DECORATING 3 ADVANCED: any item made

FOODS/NUTRITION

1. Food must be of reasonable quality to keep for more than a week. Do not exhibit food items which will spoil quickly such as casseroles, pizza, cream pies, items made with cream cheese, etc.

2. Submit food items on disposable plates, clear, plastic plates. Plastic wrap will be removed so drying of the food will extend display life of the product. Food items will be displayed with their tags. Please do not send expensive or keepsake containers!

3. No samples or recipes are needed with any food items.

4. Perishable food items will need a second identification label. Perishable food items will be displayed with their tags.

5. Biscuits, cookies, muffins and other small items should be four per plate. Non/Undecorated cakes should be displayed in mini-versions (portions of 1/3 to 1/4 of a larger total product.) A representative sample of each will be displayed.

FP500 FREEZING: any item made

FP501 DRYING: any item made

FP502 BOILING WATER CANNING: any item made

FP503 PRESSURE CANNING: any item made

FN551 FOODS 1 NOVICE: any item made

FN552 FOODS 2 INTERMEDIATE: any item made

FN553 FOODS 3 ADVANCED: any item made

FN557 INTERNATIONAL FOODS 1: any item made

FS566 FOOD SCIENCE 1 NOVICE: any item made

FS567 FOOD SCIENCE 2 INTERMEDIATE: any item made

FS568 FOOD SCIENCE 3 ADVANCED: any item made

FN581 BREADS: any item made

HEALTH/FITNESS

HF711 BOWLING: any item made

HF712 GOLF: any item made

HF713 SQUARE DANCING: any item made

BY731 BICYCLE 1: any item made

BY732 BICYCLE 2: any item made

HF771 FIRST AID: any item made

HF772 STAYING HEALTHY: any item made

HF773 KEEPING FIT: any item made

HF774 PHYSICAL ACTIVITY IN 4-H CLUBS: any item made

HF775 MOVE ACROSS MISSOURI (MOVE): any item made

SHOOTING SPORTS

SHOOTING SPORTS

No live ammunition and arrow points should be removed.

SS740 SHOOTING SPORTS SAFETY: any item made

SS741 ARCHERY: any item made

SS742 AIR (BB and/or Pellet) RIFLE: any item made

SS743 SMALLBORE RIFLE: any item made

SS744 AIR PISTOL: any item made

SS745 SHOTGUN: any item made

SS747 SMALLBORE PISTOL: any item made

SS748 MUZZLELOADING: any item made

SS749 HUNTING AND OUTDOOR SKILLS: any item made

SS750 WESTERN HERITAGE & COWBOY SHOOTING: any item made (Must have a Western Heritage certified leader to be enrolled and to exhibit)

EXPLORING 4-H

EXPLORING 4-H

EX261 EXPORING 4-H: any item made

SELF DETERMINED

SELF DETERMINED

SD 950 SELF-DETERMINED – Citizenship, Leadership, Communication: any item made

SD 951 SELF-DETERMINED – Healthy Living: any item made

SD 952 SELF-DETERMINED - Science: any item made

CLOVER KIDS

CK481 4-H Clover Kids 1; Any item made

CK482 4-H Clover Kids 2: Any Item made

CK483 4-H Clover Kids 3: Any item made

