



Junior Fair Book – General Projects

I HERD IT AT THE FAIR

4-H General and Consumer Science Exhibits – Division O

Superintendent – Austine Purdue

*All 4-H General and Consumer Science projects must be pre-entered by June 18, 2024.

*Judging and Interviews: July 19th, 2024 at 9:00 A.M. – Friendship Hall

RULES:

1. All entries in Division O must be checked in on Friday July 19th, 2024 during scheduled time.
2. All exhibits will be judged and placed in the blue, red or white award groups (Danish System). Project exhibits must be in the “Blue Award” group to receive American placing. First place winners in each class or project unit are eligible for State Fair if they were placed in the “Blue Award” group. Placings will be 1st through 6th, in the blue award group.
3. All eligible winners in 4-H General and Consumer Science projects are responsible for packing their exhibits for State Fair and obtaining the schedule for having exhibits returned to the Extension Office. This is a class list only. All Exhibit requirements are found on the Colorado State Fair 4-H Exhibit Requirements, which can be located at the Montrose Extension Office, Colorado 4-H website or from a 4-H leader.
4. Classes will be divided into Junior, Intermediate and Senior classes only if such a division is indicated in the State Fair exhibit requirement.
5. Champion awards in the 4-H Exhibit Projects will be determined by the Superintendent and 4-H Extension Agent, based on the project enrollment numbers in each project division.

ANIMAL SCIENCE

Section 1

Veterinary Science

Class No.

1. Unit 1 - From Airedales to Zebras – Junior
2. Unit 1 - From Airedales to Zebras – Int.
3. Unit 1 - From Airedales to Zebras – Senior
4. Unit 2 - All Systems Go - Junior
5. Unit 2 – All Systems Go – Int.
6. Unit 2 – All Systems Go – Senior
7. Unit 3 – On the Cutting Edge – Junior
8. Unit 3 – On the Cutting Edge – Int.

9. Unit 3 – On the Cutting Edge – Senior

Horseless Horse

Class No.

10. Unit 1 – Making Horse Sense - Junior
11. Unit 1 – Making Horse Sense - Int.
12. Unit 1 – Making Horse Sense - Senior
13. Unit 2 – Hooves, Health & Horsemanship - Junior
14. Unit 2 – Hooves, Health & Horsemanship - Int.
15. Unit 2 – Hooves, Health & Horsemanship - Senior
16. Unit 3 – Breaking Ground - Junior
17. Unit 3 – Breaking Ground - Int.
18. Unit 3 – Breaking Ground - Senior
19. Unit 4 – Brushing up on Horses - Junior
20. Unit 4 – Brushing up on Horses - Int.
21. Unit 4 – Brushing up on Horses – Senior

BIOLOGICAL SCIENCES

Section 2

Gardening

Class No.

1. Unit 1 – See Them Sprout – Junior
2. Unit 1 – See Them Sprout – Int.
3. Unit 1 – See Them Sprout – Senior
4. Unit 2 – Let’s Get Growing – Junior
5. Unit 2 – Let’s Get Growing – Int.
6. Unit 2 – Let’s Get Growing – Senior
7. Unit 3 – Take Your Pick – Junior
8. Unit 3 – Take Your Pick – Int.
9. Unit 3 – Take Your Pick – Senior
10. Unit 4 – Growing Profits – Senior (only)

MECHANICAL SCIENCE

Section 3

Bicycle

Class No.

1. Unit 1 – Bicycling for Fun – Junior
2. Unit 1 – Bicycling for Fun – Int.
3. Unit 1 – Bicycling for Fun – Senior
4. Unit 2 – Wheels In Motion – Junior
5. Unit 2 – Wheels In Motion – Int.
6. Unit 2 – Wheels In Motion – Senior
7. Unit 3 – Bicycle Self-Determined - Int.
8. Unit 3 – Bicycle Self-Determined – Senior

Computer

Class No.

9. Unit 1 – Newbie Know How – Junior
10. Unit 1 – Newbie Know How – Int.
11. Unit 1 – Newbie Know How – Senior
12. Unit 2 – Inside the Box – Int.
13. Unit 2 – Inside the Box – Senior
14. Unit 3 – Peer to Peer – Int.
15. Unit 3 – Peer to Peer – Senior
16. Unit 4 – Teens Teaching Tech - Senior

Electric

Class No.

17. Unit 1 – Magic of Electricity – Junior
18. Unit 1 – Magic of Electricity – Int.
19. Unit 1 – Magic of Electricity – Senior
20. Unit 2 – Investigating Electricity – Junior
21. Unit 2 – Investigating Electricity – Int.
22. Unit 2 – Investigating Electricity - Senior
23. Unit 3 - Wired for Power – Junior
24. Unit 3 – Wired for Power – Int.
25. Unit 3 – Wired for Power – Senior
26. Unit 4 – Entering Electronics – Senior (only)

Model Rocketry

Class No.

Balsa Fins

- 27. Unit 1 – Introduction to Rocketry – Junior
- 28. Unit 1 – Introduction to Rocketry – Int.
- 29. Unit 1 – Introduction to Rocketry – Senior

Balsa Fins Only

- 30. Unit 2 – Basic Model Rocketry – Junior
- 31. Unit 2 – Basic Model Rocketry – Int.
- 32. Unit 2 – Basic Model Rocketry – Senior
- 33. Unit 3 – Intermediate Model Rocketry – Junior
- 34. Unit 3 – Intermediate Model Rocketry – Int.
- 35. Unit 3 – Intermediate Model Rocketry – Senior

Finished Fins of Any Type

- 36. Unit 4 – Advanced Model Rocketry – Junior
- 37. Unit 4 – Advanced Model Rocketry – Int.
- 38. Unit 4 – Advanced Model Rocketry – Senior
- 39. Unit 6 – Designer Model Rocketry – Junior
- 40. Unit 6 – Designer Model Rocketry – Int.
- 41. Unit 6 – Designer Model Rocketry – Senior

Small Engines

Class No.

- 42. Unit 1 – Crank It Up – Junior
- 43. Unit 1 – Crank It Up – Int.
- 44. Unit 1 – Crank It Up – Senior
- 45. Unit 2 – Warm It Up – Junior
- 46. Unit 2 – Warm It Up – Int.
- 47. Unit 2 – Warm It Up – Senior
- 48. Unit 3 – Tune It Up – Junior
- 49. Unit 3 – Tune It Up – Int.
- 50. Unit 3 – Tune It Up – Senior
- 51. Unit 4 – Advanced Engines – Junior
- 52. Unit 4 – Advanced Engines – Int.

53. Unit 4 – Advanced Engines – Senior

Robotics

Class No.

- 54. Level 1 – Give Robot a Hand – Junior
- 55. Level 1 – Give Robot a Hand – Int.
- 56. Level 1 – Give Robot a Hand – Senior
- 57. Level 2 – Robots on the Move – Junior
- 58. Level 2 – Robots on the Move – Int.
- 59. Level 2 – Robots on the Move – Senior
- 60. Level 3 – Mechatronics - Junior
- 61. Level 3 – Mechatronics- Int.
- 62. Level 3 – Mechatronics- Senior

Robotics Platform (Teams only-Juniors 8yrs to 13 yrs-Seniors 14yrs-18yrs)

Class No.

- 63. Level 1 – Modules 1-5
- 64. Level 2 – Modules 6-10
- 65. Level 3 – Module 11

Robotics Showcase

Class No.

- 66. Robotics Showcase

NATURAL RESOURCES

Section 4

Entomology

Class No.

- 1. Unit 1 – Lets Learn About Insects – Junior
- 2. Unit 1 – Lets Learn About Insects – Int.
- 3. Unit 1 – Lets Learn About Insects – Senior
- 4. Unit 2 – Learn More About Insects – Junior
- 5. Unit 2 – Learn More About Insects – Int.
- 6. Unit 2 – Learn More About Insects – Senior
- 7. Unit 3 – Insects Habits and Control – Junior
- 8. Unit 3 – Insects Habits and Control – Int.

9. Unit 3 – Insects Habits and Control – Senior
10. Unit 4 – Insect Identification/Community Projects – Junior
11. Unit 4 – Insect Identification/Community Projects – Int.
12. Unit 4 – Insect Identification/Community Projects – Senior
13. Unit 5 – Immature Insects and Life Stages – Junior
14. Unit 5 – Immature Insects and Life Stages – Int.
15. Unit 5 – Immature Insects and Life Stages – Senior
16. Unit 6 – Exploring With Insects – Junior
17. Unit 6 – Exploring With Insects – Int.
18. Unit 6 – Exploring With Insects – Senior
19. Unit 7 – Advanced Exploring With Insects – Junior
20. Unit 7 – Advanced Exploring With Insects – Int.
21. Unit 7 – Advanced Exploring With Insects - Senior

Outdoor Adventures

Class No.

22. Unit 1 – Hiking Trails – Junior
23. Unit 1 – Hiking Trails – Int.
24. Unit 1 – Hiking Trails – Senior
25. Unit 2 – Camping Adventures – Junior
26. Unit 2 – Camping Adventures – Int.
27. Unit 2 – Camping Adventures – Senior
28. Unit 3 – Backpacking Expeditions – Junior
29. Unit 3 – Backpacking Expeditions – Int.
30. Unit 3 – Backpacking Expeditions – Senior

Sport Fishing

Class No.

31. Take the Bait – Junior
32. Take the Bait – Int.
33. Take the Bait – Senior
34. Reel in the Fun – Junior
35. Reel in the Fun – Int.
36. Reel in the Fun – Senior
37. Cast into the Future – Junior
38. Cast into the Future – Int.

39. Cast into the Future – Senior

Wildlife Conservation

Class No.

40. Unit 1 – The Worth of Wild Roots – Junior
41. Unit 1 – The Worth of Wild Roots – Int.
42. Unit 1 – The Worth of Wild Roots – Senior
43. Unit 2 – Living Wild in an Ecosystem – Junior
44. Unit 2 – Living Wild in an Ecosystem – Int.
45. Unit 2 – Living Wild in an Ecosystem – Senior
46. Unit 3 – Managing in a world with you & me – Junior
47. Unit 3 – Managing in a world with you & me – Int.
48. Unit 3 – Managing in a world with you & me – Senior
49. Unit 1—Beekeeping
50. Unit 2—Beekeeping

COMMUNICATION, ARTS AND LEISURE SCIENCES

Section 5

Ceramics

Class No.

1. Unit 1 – Glazes – Junior
2. Unit 1 – Glazes – Int.
3. Unit 1 – Glazes – Senior
4. Unit 2 – Underglazes – Junior
5. Unit 2 – Underglazes – Int.
6. Unit 2 – Underglazes – Senior
7. Unit 3 – Overglazes – Junior
8. Unit 3 – Overglazes – Int.
9. Unit 3 – Overglazes – Senior
10. Unit 4 – Unfired Finishes – Junior
11. Unit 4 – Unfired Finishes – Int.
12. Unit 4 – Unfired Finishes – Senior
13. Unit 5 – Porcelain Dolls – Junior
14. Unit 5 – Porcelain Dolls – Int.
15. Unit 5 – Porcelain Dolls – Senior
16. Unit 6 – Hand-Constructed – Junior

17. Unit 6 – Hand-Constructed – Int.
18. Unit 6 – Hand-Constructed – Senior

Global Citizenship

Class No.

19. Study of Another Country – Junior
20. Study of Another Country – Int.
21. Study of Another Country – Senior
22. Host a Delegate from Another Country – Junior
23. Host a Delegate from Another Country – Int.
24. Host a Delegate from Another Country – Senior
25. Participating as a Teen Counselor – Int.
26. Participating as a Teen Counselor – Senior
27. Exchange Delegate to Another Country – Int.
28. Exchange Delegate to Another Country – Senior

Leadership

Class No.

29. Unit 1 – Individual Skills for Young Members – Junior
30. Unit 2 – Individual Skills for Older Members – Int.
31. Unit 2 – Individual Skills for Older Members – Senior
32. Unit 3 – Skills Working Within Groups – Int.
33. Unit 3 – Skills Working Within Groups – Senior
34. Unit 4 – Skills Leading Groups – Int.
35. Unit 4 - Skills Leading Groups – Senior

Leather Craft

Class No.

36. Unit 1 – Intro to Leather craft & Stamping – Junior
37. Unit 1 – Intro to Leathercraft & Stamping – Int.
38. Unit 1 – Intro to Leathercraft & Stamping – Senior
39. Unit 2 – Beginning Leather Carving – Junior
40. Unit 2 – Beginning Leather Carving – Int.
41. Unit 2 – Beginning Leather Carving – Senior
42. Unit 3 – Intermediate Leather Carving – Junior
43. Unit 3 – Intermediate Leather Carving – Int.

44. Unit 3 – Intermediate Leather Carving – Senior
45. Unit 4 – Advanced Leather Carving – Junior
46. Unit 4 – Advanced Leather Carving – Int.
47. Unit 4 – Advanced Leather Carving – Senior
48. Unit 5 – Coloring and Shading – Junior
49. Unit 5 – Coloring and Shading – Int.
50. Unit 5 – Coloring and Shading – Senior
51. Unit 6 – Pictorial Carving – Junior
52. Unit 6 – Pictorial Carving – Int.
53. Unit 6 – Pictorial Carving – Senior
54. Unit 7 – Making and Rebuilding Saddles – Junior
55. Unit 7 – Making and Rebuilding Saddles – Int.
56. Unit 7 – Making and Rebuilding Saddles – Senior
57. Unit 8 – Advanced Creative Stamping – Junior
58. Unit 8 – Advanced Creative Stamping – Int.
59. Unit 8 – Advanced Creative Stamping – Senior
60. Unit 9 – Braiding and Untooled – Junior
61. Unit 9 – Braiding and Untooled – Int.
62. Unit 9 – Braiding and Untooled – Senior
63. Unit 10 – Sewing Leather – Junior
64. Unit 10 – Sewing Leather – Int.
65. Unit 10 – Sewing Leather – Senior

Photography

Class No.

66. Unit 1 – Focus on Photography Level 1 – Junior
67. Unit 1 – Focus on Photography Level 1 – Int.
68. Unit 1 – Focus on Photography Level 1 – Senior
69. Unit 2 – Controlling the Image Level 2 – Junior
70. Unit 2 – Controlling the Image Level 2 – Int.
71. Unit 2 – Controlling the Image Level 2 – Senior
72. Unit 3 – Mastering Photography – Junior
73. Unit 3 – Mastering Photography – Int.
74. Unit 3 – Mastering Photography – Senior
75. Unit 4 – Lightening Photography – Junior

- 76. Unit 4 – Lightning Photography – Int.
- 77. Unit 4 – Lightning Photography - Senior
- 78. Unit 6 – Advanced Photography – Junior
- 79. Unit 6 – Advanced Photography – Int.
- 80. Unit 6 – Advanced Photography – Senior

Video Photography

Class No.

- 81. Unit 7 – Film-making – Junior
- 82. Unit 7 – Film-making – Int.
- 83. Unit 7 – Film-making – Senior

Scrapbooking

Class No.

- 84. Scrapbooking Album – Junior
- 85. Scrapbooking Album – Int.
- 86. Scrapbooking Album – Senior
- 87. Scrapbooking 1 Page – Junior
- 88. Scrapbooking 1 Page – Int.
- 89. Scrapbooking 1 Page – Senior
- 90. Scrapbooking 2 Page – Junior
- 91. Scrapbooking 2 Page – Int.
- 92. Scrapbooking 2 Page – Senior

Woodworking

Class No.

- 93. Unit 1 – Measuring Up – Junior
- 94. Unit 1 – Measuring Up – Int.
- 95. Unit 1 – Measuring Up – Senior
- 96. Unit 2 – Making the Cut – Junior
- 97. Unit 2 – Making the Cut – Int.
- 98. Unit 2 – Making the Cut – Senior
- 99. Unit 3 – Nailing It Together – Junior
- 100. Unit 3 – Nailing It Together – Int.
- 101. Unit 3 – Nailing It Together – Senior
- 102. Unit 4 – Finishing Up – Junior

- 103. Unit 4 – Finishing Up – Int.
- 104. Unit 4 – Finishing Up – Senior

Visual Arts

Class No.

- 105. Portfolio Pathways – Junior
- 106. Portfolio Pathways – Int.
- 107. Portfolio Pathways – Senior
- 108. Sketch Crossroads – Junior
- 109. Sketch Crossroads – Int.
- 110. Sketch Crossroads – Senior

CONSUMER SCIENCE

Section 6

Cake Decorating

Class No.

- 1. Unit 1 – Edible Decorations – Junior
- 2. Unit 1 – Edible Decorations – Int.
- 3. Unit 1 – Edible Decorations – Senior
- 4. Unit 2 – Single layer Decorating with tips – Junior
- 5. Unit 2 – Single layer Decorating with tips – Int.
- 6. Unit 2 – Single layer Decorating with tips – Senior
- 7. Unit 3 – Double layer Decorating with tips – Junior
- 8. Unit 3 – Double layer Decorating with tips – Int.
- 9. Unit 3 – Double layer Decorating with tips – Senior
- 10. Unit 4 – Character Cakes – Junior
- 11. Unit 4 – Character Cakes – Int.
- 12. Unit 4 – Character Cakes – Senior
- 13. Unit 5 – Cupcakes – Junior
- 14. Unit 5 – Cupcakes – Int.
- 15. Unit 5 – Cupcakes – Senior
- 16. Unit 6 – Cut-Up Cakes – Junior
- 17. Unit 6 – Cut-Up Cakes – Int.
- 18. Unit 6 – Cut-Up Cakes – Senior
- 19. Unit 7 – Flower Power – Int.
- 20. Unit 7 – Flower Power – Senior

21. Unit 8 – Fondant – Int.
22. Unit 8 – Fondant – Senior
23. Unit 9 – Flower Power Advanced– Int.
24. Unit 9 – Flower Power Advanced – Senior
25. Unit 10 – Tiered Cakes – Senior
26. Unit 11 – Molds – Senior
27. Unit 12 – Advanced Cake Decorating – Senior

Child Development

Class No.

28. Child Development – Int.
29. Child Development – Senior

Clothing Construction

Class No.

30. Unit 1—STEAM Clothing – Junior
31. Unit 1—STEAM Clothing – Int.
32. Unit 1—STEAM Clothing – Senior
33. Unit 2—STEAM Clothing – Junior
34. Unit 2—STEAM Clothing – Int.
35. Unit 2—STEAM Clothing – Senior
36. Unit 3 – STEAM Clothing – Int.
37. Unit 3 – STEAM Clothing – Senior
38. Unit 7—Sewing for Others—Junior
39. Unit 7—Sewing for Others—Int.
40. Unit 7—Sewing for Others—Senior
41. Unit 8—Recycled Clothing—Junior
42. Unit 8—Recycled Clothing—Int.
43. Unit 8—Recycled Clothing—Senior

Artistic Clothing

Class No.

44. Unit 1 – Upcycle Your Style, Applied – Junior
45. Unit 1 – Upcycle Your Style, Applied – Int.
46. Unit 1 – Upcycle Your Style, Applied – Senior
47. Unit 2 – Upcycle Your Style, Stitched – Junior

48. Unit 2 - Upcycle Your Style, Stitched – Int.
49. Unit 2 – Upcycle Your Style, Stitched – Senior
50. Unit 3 – Upcycle Your Style, Combination – Junior
51. Unit 3 – Upcycle Your Style, Combination – Int.
52. Unit 3 – Upcycle Your Style, Combination – Senior
53. Unit 5 – Creative Sewing – Junior
54. Unit 5 – Creative Sewing – Int.
55. Unit 5 – Creative Sewing – Senior
56. Unit 7 – Create Your Own – Int.
57. Unit 7 – Create Your Own – Senior
58. Buysmanship – Junior
59. Buysmanship – Int.
60. Buysmanship – Senior

Foods and Nutrition

Class No.

61. Unit 1 – Cooking 101 – Junior
62. Unit 1 – Cooking 101 – Int.
63. Unit 1 – Cooking 101 – Senior
64. Unit 2 – Cooking 201 – Junior
65. Unit 2 – Cooking 201 – Int.
66. Unit 2 – Cooking 201 – Senior
67. Unit 3 – Cooking 301 – Junior
68. Unit 3 – Cooking 301 – Int.
69. Unit 3 – Cooking 301 – Senior
70. Unit 4 – Cooking 401 – Junior
71. Unit 4 – Cooking 401 – Int.
72. Unit 4 – Cooking 401 – Senior

Specialty Foods

Class No.

73. Unit 25 – Outdoor Cooking and Living – Junior
74. Unit 25 – Outdoor Cooking and Living – Int.
75. Unit 25 – Outdoor Cooking and Living – Senior
76. Unit 30 – Cultural and Ethnic Foods – Int.
77. Unit 30 – Cultural and Ethnic Foods – Senior

78. Unit 35 – Passport to Foreign Cookery – Int.

79. Unit 35 – Passport to Foreign Cookery – Senior

Food Preservation

RULES:

1. All foods must have been preserved since the last County Fair by the club member in whose name they are entered.
2. All canned products must include the following information on the label:

Name of product; method of preparation (type syrup, type pack, any additional ingredients added) as applies to product canned; method of processing (i.e., pressure canner, water bath, open kettle) and pounds of pressure used if food pressure canned; elevation at which processing was done; exact processing time; date processed.

Examples:

*Peaches

Ascorbic acid dip

Hot packed thin syrup

Boiling water bath, canned

45 Minutes at 5,000 feet

September, 2023

*Green Beans

Hot pack, ½ teaspoon salt

Pressure canned at 12 1/2 pounds

25 minutes at 5,000 feet

July 2023

3. All dried foods must include the following information on the label: name of product; pretreatment used, if any; name of additional ingredients added, if any; method of drying (oven, dehydrator, solar); total drying time; date dried.

Example:

Apricots

Ascorbic acid dip

Dehydrator dried, 8 hours

July 2023

4. Standard canning jars should be used for all canned exhibits. (The brand name imprinted on the side of the jar identifies a standard jar).

5. Submit 2 jars each of jam or jelly. One jar will be opened and judged; the other will be exhibited.
6. All preserved foods must follow CSU or USDA recommendations. Jams and jelly should be processed in boiling water bath.
7. Any jars showing leaks or spoilage will not be judged.
8. Champion and Reserve Champion ribbons will be awarded only if competition exists.

Food Preservation

Class No.

80. Unit 40 – Drying – Junior
81. Unit 40 – Drying – Int.
82. Unit 40 – Drying – Senior
83. Unit 41– Freezing – Junior
84. Unit 41– Freezing – Int.
85. Unit 41– Freezing– Senior
86. Unit 42 – Boiling Water Canning – Junior
87. Unit 42 – Boiling Water Canning – Int.
88. Unit 42 – Boiling Water Canning – Senior
89. Unit 43 – Pressure Canning – Int.
90. Unit 43 – Pressure Canning – Sr.

Heritage Arts

Class No.

91. Crochet – Junior
92. Crochet – Int.
93. Crochet – Senior
94. Misc. Arts – Fiber/Fabric – Junior
95. Misc. Arts – Fiber/Fabric – Int.
96. Misc. Arts – Fiber/Fabric – Senior
97. Misc. Arts – Non-Fiber – Junior
98. Misc. Arts – Non-Fiber – Int.
99. Misc. Arts – Non-Fiber – Senior
100. Knitting – Junior
101. Knitting – Int.
102. Knitting – Senior
103. Needle Arts – Junior

- 104. Needle Arts – Int.
- 105. Needle Arts – Senior
- 106. Quilting Unit 1 – Junior
- 107. Quilting Unit 1 – Int.
- 108. Quilting Unit 1 – Senior
- 109. Quilting Unit 2 – Junior
- 110. Quilting Unit 2 – Int.
- 111. Quilting Unit 2 – Senior
- 112. Quilting Unit 3 – Junior
- 113. Quilting Unit 3 – Int.
- 114. Quilting Unit 3 – Senior
- 115. Quilting Unit 4, Original Design – Junior
- 116. Quilting Unit 4, Original Design – Int.
- 117. Quilting Unit 4, Original Design – Senior

Home Environment

Class No.

- 118. Unit 1 – Junior
- 119. Unit 1 – Int.
- 120. Unit 1 – Senior
- 121. Unit 2 – Junior
- 122. Unit 2 – Int.
- 123. Unit 2 – Senior
- 124. Unit 3 – Junior
- 125. Unit 3 – Int.
- 126. Unit 3 – Senior
- 127. Unit 4 – Junior
- 128. Unit 4 – Int.
- 129. Unit 4 – Senior