

# DEPARTMENT 22

## 4-H TECHNOLOGICAL SCIENCE

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**Location:** Marie Boe 4-H Building

**Points Allowed:**

Classes A-L Blue-40 Red-30 White-20

- Classes A and B require that a copy of the plan sheet or design sheet accompany the exhibit
- No live engines allowed
- Classes A-D must have been successfully flown prior to exhibiting. A completed Certificate of Flight must accompany each entry
- Class D is intended for entries from the 4-H aerospace project curriculum. Attach a 3x5 card to entry form telling what the item is, what you did, and what was learned. Also list the publication title and the page number where the goals are listed for this project.

### AEROSPACE/ROCKETRY

**CLASS A:** Rockets built from plans other than kits

**CLASS B:** Rockets designed and built by exhibitor

**CLASS C:** Model rockets from kits

The following lots apply to Classes A-C

Lot 0. Primary

Lot 1. Junior

Lot 2. Intermediate

Lot 3. Senior

**CLASS D:** Aerospace projects

Lot 1. Any item from "Stage 1: Pre-flight"

Lot 2. Any item from "Stage 2: Lift Off"

Lot 3. Any item from "Stage 3: reaching New Heights"

Lot 4. Any item from "Stage 4: Pilot in Command"

### BICYCLES AND ENGINES

- A 3x5 card telling what the item is, it's use, what you did, and what was learned included.

**CLASS E:** Bicycles

Lot 1. Any item or display from "Bicycling for Fun"

Lot 2. Any item or display from "Wheels in Motion"

**CLASS F:** Small Engines

Lot 1. Any item from "Level 1: Crank It Up"

Lot 2. Any item from "Level 2: Warm It Up"

Lot 3. Any item from "Level 3: Tune It Up"

### ELECTRICITY

- A 3x5 card telling what the item is, it's use, what you did, and what was learned included.

**CLASS G:** Electricity

Lot 1. Any item from "Magic of Electricity"

Lot 2. Any item from "Investigating Electricity"

Lot 3. Any item from "Wired for Power"

Lot 4. Any item from "Entering Electronics"

### WOODWORKING

- A 3x5 card telling what the item is, it's use, what you did, and what was learned included.

**CLASS H:** Woodworking Wonders

Lot 1. Any item from "Level 1: Measuring Up"

Lot 2. Any item from "Level 2: Making the Cut"

Lot 3. Any item from "Level 3: Nailing It Together"

Lot 4. Any item from "Level 4: Finishing Up"

**CLASS I: Other Woodworking Projects**

The following lots apply to Class I

Lot 0. Primary

Lot 1. Junior

Lot 2. Intermediate

Lot 3. Senior

**COMPUTERS**

- A 3x5 card telling what the item is, it's use, what you did, and what was learned included.

**CLASS J: Computer technology**

Lot 1. Any item or display from "Newbie Know-How-Getting Started with Computers"

Lot 2. Any item or display from "Inside the Box+ CD-Building & Repairing Computers"

Lot 3. Any item or display from "P2P Peer to Peer- Creating and Managing Networks"

**CLASS K: Geospatial**

Lot 1. Any item or display from "Exploring Spaces, Going Places"

**CLASS L: Robotics**

Lot 1. Any item or display from the Robotics project

**TECH. SCIENCE AWARDS****Northwest Marine Technologies Awards for Mechanical Science**

Perpetual Trophies to the overall High Point winner in the Junior, Intermediate and Senior Divisions of Mechanical Science.