

Fishing

Level 1 – Take the Bait

- 900 Project Book – indicate current years of work
- 905 Display how to tie a knot
- 910 Display of fishing tackle
- 915 Poster display of 4 photos of species of fish caught in PA with label and brief description. At least one photo must include a picture of yourself and the fish you caught
- 920 Display on 3 types of tackle and 5 types of bait (artificial bait or drawings only – no live bait) labeled

Level 2 Reel in the Fun

- 950 Project Book – indicate current years work
- 955 Poster labeling the parts of a spinning reel
- 960 Display how to tie a knot
- 965 Poster on fishing by the rules (include fish species, legal limit, size restrictions, season locations, legal baits)
- 970 Poster display of 7 photos of species of fish caught in PA with label and brief description. At least one photo must include a picture of yourself and the fish you caught
- 975 Display on 3 types of tackle and 5 types of bait (artificial bait or drawings only – no live bait) labeled

Level 3 Cast into the Future

- 1000 Project Book – indicate current years work
- 1005 Poster on fly tying equipment
- 1010 Poster on sports-fishing careers
- 1015 Field journal
- 1020 Poster display of 7 photos of species of fish caught in PA with label and brief description. At least one photo must include a picture of yourself and the fish you caught
- 1025 Display on 3 types of tackle and 5 types of bait (artificial bait or drawings only – no live bait) labeled

Shooting Sports - Basic Archery

- 100 Year 1- Book and 14"x22" poster
- 105 Year 2- Book, 14"x22" poster, and target
- 110 Year 3- Book, 14"x22" poster, target, and arrow that has been re-fletched and re-created

**Section 39 Engineering**

Class

Aerospace

Level 1 – Preflight  
3.00

- 05 – Poster on how birds and aircraft can fly
- 10 – Poster on careers in aviation
- 15 – Build a space buggy from household resources
- 20 - Poster on rules for pilots
- 25 – Poster on rocket parts

Level 2 –Liftoff

- 30 – Gnome Rocket
- 35 – Poster on an aerospace career
- 40 – Poster on landing gear and wings
- 45 – Display of a hot air balloon parts
- 50 – Poster on the parts of an airplane

Level 3 – Reaching New Heights

- 55 – Front rudder straw glider with data chart
- 60 – Poster on Balloon Shuttle with data chart
- 65 – Homemade fighter kite with action/result data
- 70 – Poster on parts of a helicopter
- 75 – Poster on lift to drag ratios

Pilot in Command

- 80 – Homemade Viking Rocket with observation chart
- 85 – Poster on types of pilot ratings
- 90 – Poster on navigation methods
- 95 – Homemade flat style box kite
- 100 – Poster on gravity

PREMIUMS                      \$5.00                      \$4.50                      \$4.00\$3.50



Wood Science

Unit 1 - Measuring Up

- 101 - Poster
- 105 - Display with 5"x7" card explaining the display
- 110 - Simple wood project

Unit 2 - Making the Cut

- 115 - Poster
- 120 - Display with 5"x7" card explaining the display
- 125 - Simple wood project

Unit 3 - Nailing It Together

- 130 - Poster
- 135 - Display with 5"x7" card explaining the display
- 140 - Simple wood project

Unit 4 - Finishing Up

- 145 - Poster
- 150 - Display with 5"x7" card explaining the display
- 155 - Simple wood project
- 160 - Wood project

