

- 210 Internal parts- display a small (max.18 h.p.) engine with internal parts identified by name and function.
- 215 Personal safety- display or poster focusing on personal safety in a small engine shop.
- 220 Engine oil- display or poster on engine oil viscosity and service classification.
- Unit 3 – Tune it Up
 - 225 Troubleshooting- poster or display on troubleshooting an engine, how the problem was identified, and how it was fixed.
 - 230 Starting a business- display or poster on the research done in consideration of starting a small engine business.

Electricity (display on any phase of project)

Level 1- Magic of Electricity

- 300 Poster
- 305 Simple working circuit using a light, buzzer, lamp or other electricity powered object.
- 310 Completed project book

Level 2- Investigating Electricity

- 315 Poster
- 320 Simple telegraph, burglar alarm, or rocket launch system
- 325 Completed project book

Level 3- Wired for Power

- 330 Poster
- 335 Electrical tool & supply kit with items labeled
- 340 Completed project book

Level 4- Entering Electronics

- 345 Display of electronic parts, labeled with description
- 350 Display of a LED flasher “blinky”
- 355 Poster on the uses of solar cells throughout Monroe County
- 360 Display of integrated Circuit (IC), label its function and where it is used

Bicycle Adventures

Unit 1

- 400 Poster – Safety check list for your bike
- 405 Poster – Road Signs and what they mean – use correct colors
- 410 Poster – Show the correct way to make a left hand turn
- 415 Poster – List hazards of riding a bike

420 Complete project book Unit 2 425 Poster – Showing parts of bike 430 Poster – List typical "failures" of a bike rider that could cause an accident.
435 Collage including information on purchasing and riding a bike. 440 Completed project book

**Section 27
Entomology**

Class

Display of Insects

| | | | | | | | |
|-----|--|----------|-------|-------|-------|-------|------|
| 400 | Year 1: Minimum of 25 different insects representing five insect orders | PREMIUMS | 8.00 | 7.00 | 6.00 | 5.00 | 4.00 |
| 405 | Year 2: Minimum of 50 different insects representing seven insect orders | | 9.00 | 8.00 | 7.00 | 6.00 | 5.00 |
| 410 | Year 3: Minimum or 75 different insects representing nine insect orders | | 10.00 | 9.00 | 8.00 | 7.00 | 6.00 |
| 415 | Year 4: Minimum of 90 different insects representing ten insect orders | | 12.00 | 11.00 | 10.00 | 9.00 | 8.00 |
| 420 | Year 3 and above: Special collection- unique collection of specific insect group. The collection must be labeled to identify the unique insect type (ex. aquatic, nocturnal) | | 13.00 | 12.00 | 11.00 | 10.00 | 9.00 |

**Section 28
Veterinary Science**

Class

Veterinary Science – Unit 1 – From Airedales to Zebras

| | | | | | | | |
|-----|---|----------|------|------|------|------|------|
| | | PREMIUMS | 8.00 | 7.00 | 6.00 | 5.00 | 4.00 |
| 100 | Poster on identifying breeds of different species | | | | | | |
| 110 | Poster on naming the bodies, systems & organs | | | | | | |
| 120 | Poster on a veterinarian's job description | | | | | | |
| 130 | Poster on veterinary tools. | | | | | | |
| 140 | Project Book | | | | | | |
| 150 | Binder- exhibit a 10 day record of observations of an animal for signs of normal and abnormal health & behavior, plus a poster display related to one of the topics in the project. | | | | | | |

Veterinary Science – Unit 2 – All Systems Go

| | | | | | | | |
|-----|---|--|-------|------|------|------|------|
| | | | 10.00 | 9.00 | 8.00 | 7.00 | 6.00 |
| 200 | Poster on how diseases are spread in different animals | | | | | | |
| 210 | Poster on recording an animal's vital signs | | | | | | |
| 220 | Poster on how veterinarians use math & science skills | | | | | | |
| 230 | Poster on protecting animals against parasites | | | | | | |
| 240 | Project Book | | | | | | |
| 250 | Binder- exhibit a record of the health of the member's own animal and practices followed to keep the animal healthy, plus a poster display related to one of the topics in the project. | | | | | | |

Veterinary Science – Unit 3 – On the Cutting Edge

| | | | | | | | |
|-----|---|--|-------|-------|------|------|------|
| | | | 12.00 | 10.00 | 9.00 | 8.00 | 7.00 |
| 300 | Poster on how genetics work | | | | | | |
| 310 | Display a scale model of a cell with function of parts labeled | | | | | | |
| 320 | Poster on a disease transmittal between animals and humans | | | | | | |
| 330 | Poster on the importance of pet population control | | | | | | |
| 340 | Project Book | | | | | | |
| 350 | Binder- exhibit a report related to the member's individual study on animal health and its relationship to our world, plus a poster display related to the member's individual study topic for the project. | | | | | | |