Small Engines

- Unit 1 Crack it Up
- 200 External parts display a small (max. 18 h.p.) engine with external parts identified by name and function.
- 203 Tools display of 10 tools (secured to a display board) or pictures of 10 tools (poster specifications) and describe their functions
- 205 Shop Safety display or poster focusing on small engine shop safety.
- Unit 2 Warm it Up
- 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 b ook
- 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 Completed project book
- 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 40 Entomology

Class

- 100 Poster Mount a picture, photo or drawing of an insect and identify its body parts
- 105 Poster Mount a picture, photo or drawing of three different insects and identify by mouth type
- 110 Poster Mount a picture, photo or drawing of three different insects and identify their method of communication
- 115 Poster Exhibit your record of cricket behavior observations
- 120 Poster List five insect pests and what you could use to control them without using chemicals
- 125 Poster Reproduce the drawing of the grasshopper on page 28 and list its digestive parts
- 130 Project book

What's Bugging You? - Unit 2

- 200 Poster Mount three ads using insect images to sell their product. List obvious errors in the portrayal of the insect.
- 205 Display your insect trap
- 210 Poster Display three help wanted ads that indicate that a person with an entomology background would be hired; be sure to include the name of the paper, date and page number.
- 215 Display your insect extractor
- 220 Project book

Dragons, Houses and Other Flies – Unit 3

- 300 Poster Make a list of five plants that you found would attract butterflies. Also, list other insects that were attracted to the same plants.
- 305 Poster List ten different insects and identify the mouth type.
- 310 Display your rearing/observation chamber
- 315 Display your water scope
- 320 Project book





4.00

3.00

2.00

1.00

5.00