

SMALL ENGINES

Literature Needed:

Leader Literature

Leader's Guide ----All Units
LC1400 Small Engines Helper's Guide

Member Literature

MC1401 Crank It Up Unit 1
MC1402 Warm It Up Unit 2
MC1403 Tune It Up Unit 3
MT3300B Advanced Engines (This unit can be used for any type of engines:
tractors, car, etc.)
e-Record www.colorado4h.org/project_resources/erecords
Small Engines Worksheet
www.colorado4h.org/project_resources/erecords

These units are progressive, suggesting that a member start at unit 1 and work up to the next units.

Exhibit Requirements can be found at www.colorado4h.org

Score Sheets can be found at www.colorado4h.org

Display Tips and Hints can be found at www.colorado4h.org

Project Tips:

- Do at least seven activities each year.
- Date and have your leader or parent initial completed activities.
- Visit the Small Engines Project online at www.n4hccs.org
- Enter your exhibit in the county fair.
- For unit 6 which is self determined here are some ideas:
 - Select a topic of your choice and decide what your goals would be. i.e. Putting a CD player in an automobile
 - Record your goals and plan of action in the goal segment of the E-record. i.e. It will take three months to learn how to install a CD in a car.
 - Fill out the E-record as you work on your project that you selected. i.e. Record any costs incurred and any inventory of tools or equipment used.
 - Record your accomplishments in the story section of the E-record. Share what worked well and what didn't.
 - Exhibit a display board related to your project. i.e. show a diagram of how the wiring should be hooked up for the car CD.
 - Additional supportive materials may be put in a sturdy binder with your E-record. i.e. Any written plans or information gathered to learn how to install a CD in the car.
- Ideas for demonstrations:
 - Show parts of engine
 - Show electrical diagram
 - Describe events in a 4-cycle engine
 - Tell how a carburetor works

Judging Criteria For E-Record:

- Completeness of E-Record and manual for Units 1-3
- Extra activities such as demonstrations, talks, and community service recorded in your e-record.
- Would be nice if community service was related to your project
- Neatness and legibility