



# SMALL ENGINES I

## Welcome

Welcome to the **Small Engines Project!** Please read through this guide carefully, as it contains information and suggestions that are important for your project. **4-H leaders can obtain a Leader Project Guide and other resources from the PEI 4-H Office.** Hopefully you, as a member, will “Learn to do by Doing” through hands-on activities that will encourage learning and enjoyment. If you have any questions, contact your District 4-H Officer or your 4-H project Leader.

## 4-H YEAR COMPLETION

You complete a project by:

- completing the project Achievement Day requirements
- completing a communication project
- completing a community project
- completing an agriculture awareness project
- taking part in Achievement Day

**You must complete all of the listed aspects in order to show at Fairs and**



## ACHIEVEMENT DAY REQUIREMENTS

Display the small engine you or your group worked on during the year. It must be cleaned and prepared for winter storage.	50
Demonstration - Demonstrate to other 4-H members in your club something you have learned about small engines in this project. (Could include safety, how to change the oil, specialty tools, etc.)	30
Poster (Topic: various safety rules to use when working around an engine)	<u>20</u>
	<b>100 Marks</b>

## EXHIBITION REQUIREMENT

Poster

## BE A GOOD SPORT!

In the spirit of learn to do by doing, all those involved in 4-H are encouraged to practice good sportsmanship, use common sense at all 4-H activities and the work in any 4-H project should be the member's own work.

### Ages for 4-H members as of January 1st of the 4-H year:

Junior: 9-11 years  
 Intermediate: 12-14 years  
 Senior: 15-21 years

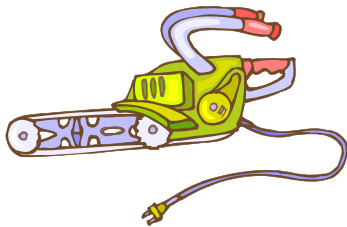
**Check out the PEI 4-H Web Site**

[www.pei4h.pe.ca](http://www.pei4h.pe.ca)

# Safety Tips...

## General Safety

- Keep your work area clean. A crowded, dirty work area can lead to dangerous situations. Wipe up any spills which may occur, and put items away when they are not being used.
- Be sure your work area is well vented against exhaust fumes. An exhaust tube works well if you are indoors. Carbon monoxide, present in exhaust, is a lethal killer which is hard to detect because it is odorless and invisible. Don't take chances!
- Gasoline fumes are highly flammable. Keep all gasoline cans away from any heat, sparks or open flames. Also, check your engine for fuel leaks. A leak can lead to an explosion.
- When filling the fuel tank on your engine:
  - ⇒ Fill it only in well ventilated areas.
  - ⇒ Fill only when the engine is cool (check the fuel level before you start),
  - ⇒ Do not overflow the tank. Wipe up any spills promptly and allow the spill to evaporate,
  - ⇒ Be sure the spout of the gasoline can is in contact with the engine tank. This prevents an explosion caused by a static electricity spark,
  - ⇒ Never fill the fuel tank in the presence of fire or heat.



## Poster Requirement

This project requires that you complete a poster. Create a poster based on various safety rules to use when working around an engine.

Be sure to...

- Use the "4-H Poster Book" as a guide
- Use a whole sheet of Bristol board
- Use quality not quantity information
- Use your imagination, drawings or pictures, and creativity
- Write your name, club and age on the back of the poster.

## Workshop Safety

- Do not wear loose clothing near small engines. The rotating parts could catch you and your clothing. Don't wear jewelry (rings, chains, bracelets.)
- Tie back long hair to protect yourself from danger.
- Engines get hot! Be sure your engine is cooled before you try to work on it.
- There should be no horseplay.
- Don't point airhoses at people.
- Keep all electrical in good condition.
- Use protective equipment at all times (goggles, shields).

## HELPFUL RESOURCES!

[www.small-engines.com](http://www.small-engines.com)

[www.hobbytalk.com](http://www.hobbytalk.com)

[www.smallengineadvisor.com](http://www.smallengineadvisor.com)

A variety of books are available at the PEI 4-H Office which can be borrowed for a two week loan period. To book these, call 368-4833 or drop by the PEI 4-H Office at 40 Enman Crescent, Charlottetown.

## How to Make a WOW Poster!

- 1. Eye Appeal** - the overall poster should give a pleasing effect. (Remember this includes neatness, easy to read lettering, and correct spelling).
- 2. Simplicity** - the less complicated visually, the more likely the poster will be read. (Some decoration is fine, but there is a difference between decoration and clutter).
- 3. Educational Value** - a poster should convey a message.
- 4. Exciting** - make the poster fun, not a chore, for both your viewers and yourself.

Other Tips: Use a minimum number of colors, keep lettering horizontal, keep the background neutral and use good quality poster board.



# Community and Agriculture Awareness Projects

## COMMUNITY PROJECT

Each year you are encouraged to provide a service to your community as a 4-H member. This introduces you to the responsibilities of citizenship. You must participate in your club's plan for a community project and you should have a role to play. Describe your involvement with your club's community project this year.



*Our Community Project was* \_\_\_\_\_

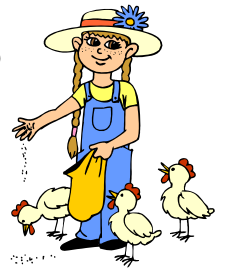
*I helped by* \_\_\_\_\_

*It was beneficial because* \_\_\_\_\_

*I learned* \_\_\_\_\_

## AGRICULTURE AWARENESS PROJECT

Agriculture is one of PEI's main industries. You are expected to participate with your club to complete a project (or provide a service) which helps your club or others become aware of the importance of agriculture in our lives. As in the community project, you should actively participate.



*Our Agricultural Awareness Project was* \_\_\_\_\_

*I helped by* \_\_\_\_\_

*It was beneficial because* \_\_\_\_\_

*I learned* \_\_\_\_\_