



# Introduction to Engineering

## Project Information Page



This is an introduction to Engineering and Design using STEAM (Science, Technology, Engineering, Arts and Math). In this project, we invite members to dig into their natural creative and design instincts to solve problems, individually or with a group, reflecting on their decisions and solutions.

### Project Completion Requirements (PCR)

- Find a solution for 5 problems using the design process.
- Project (1) Page specific to Home Economic or Life Skill Projects
- One of the options below.

### 4-H Year Completion

**The following must be on display at the Club Achievement Day in order to complete the 4-H year**

- Complete the **PCR's (Project Completion Requirements)** as outlined above
- Complete a **Communication** (public speaking) Project
- Complete a **Community Service** Activity
- Complete an **Agriculture Awareness** Activity
- Complete the **Member Documentation** (4) pages found in your Portfolio or on the website

### Exhibition Requirements

Options for Exhibition item:

- Engineer one item that helps to solve a problem in your home or community. Document the process for Exhibition with a printed booklet (or slideshow) of items designed with optional testimony from members of your home or community who benefited from the solution.

OR

- If the solution requires too many "technical" amendments, like welding or mechanical saws, the solution could be drawn out as a theoretical solution instead of actually building it. Members could get feedback on their proposal from members of the community with expertise in the area they need about their design.

**Members are strongly encouraged to participate in the 4-H Classes at PEI Fairs & Exhibitions. Please check with your Project Leader or visit [www.pei4h](http://www.pei4h) for more Exhibition information.**

### General Notes

- Leader Resources are available on the website or by contacting your 4-H Specialist
- Each month on the 15th (or thereby) a Provincial Newsletter is released with up to date information
- The Provincial Website [www.pei4h.ca](http://www.pei4h.ca) is regularly updated and the home of the Provincial Newsletter
- The second last Saturday in July each year is the deadline for Members to submit project work and portfolios to their 4-H Specialist for completion and to remain as a member in good standing. Only members in good standing can participate in summer exhibitions and be nominated /apply for special awards.