



## 4-H STEMonstration Guidelines

One important way scientists and engineers share information about their discoveries is through presentations. Sharing about an experiment you did or something you designed and built, like a Mousetrap Car, is a great way to practice presenting. STEM stands for Science, Technology, Engineering and Math, and demonstrations about STEM subjects are called STEMonstrations. A STEMonstration is just like a 4-H Demonstration and follows the same basic guidelines. It should tell about a familiar STEM topic, usually something you have studied, experiments you have done or something you have designed and built. STEMonstrations are evaluated using the STEMonstration Scoresheet.

A basic STEMonstration should: (Mousetrap Car Example)

- Tell what you did and why you did it.
- Tell how you did it. – Include things like
  - What materials you used to build a car
  - the steps you took to build it and how it works
  - how you designed and built it
  - how you modified and tested your car
  - Tell what worked and what didn't work
- Show what you did
  - Include models of your car both first and final models, if possible.
  - Include a poster with diagrams that show what you did or what you learned
- Tell what you learned
  - What observations did you make? how did your car perform?
  - What did you discover?