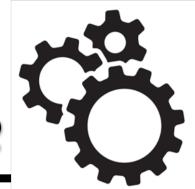
Engineering & Safety Science



Did you know...

This project is designed for 4-H members who enjoy learning about engineering techniques, including designs, revisions or providing safe environments.

What can I do...

- Give a demonstration to your classmates on bicycle safety
- Enter the 4-H Piggy Bank Pageant by designing and building your own bank
- Conduct a service project for the local food bank with your 4-H club to engineer a "Can-struction"

Check this out...

This activity gives you a glimpse of what this project is about. In the Engineering and Safety Science project, you should look for things to build, ways to check and safer methods to accomplish.

Directions: Check the box next to the statements where a 4-H'er would be trying to make their environment safer.

- Picking up sticks in the yard before mowing
- Leaving wet areas after a spill
- Driving under the speed limit



Future Thoughts...

What kind of career would someone in the Engineering and Safety Science project want to pursue?

- Health Engineers inspect facilities and machinery at places like hospitals, nursing homes or community centers
- Safety engineers inspect safety equipment to identify and correct potential safety hazards
- An electrician, architect and mechanical technician would also fit in this area

Do you know what all of these professions do in their job? If not, do some research and dig a little deeper.

Work on this...

Engineer the Tallest Tower

Using only ten pieces of regular printer paper and three feet of masking tape, construct the tallest free-standing tower possible. Use a tape measure to measure the height.

Recruit a family member or a friend to help you with this activity. Record your observations and the methods used to build your tower.

What's Next?

Contact your local 4-H Agent on other ways you can get involved with this project and with 4-H.

- 4-H Project Showcase
- Junior High 4-H Academic Conference
- Start preparing to submit a portfolio in this project area
- Begin taking action photos of you doing activities in this project area