About

The Lowcountry 4-H Science Project provides youth a fun and hands-on learning experience that develops life skills, as well as teaches valuable information about critical thinking.

Science is the study of the world around us by observing, describing, and experimenting to explain the phenomenon making up everything from the weather to living on Mars. Youth will conduct an investigation, collect evidence and develop an explanation from the data and communicate their conclusions. Through the 4-H Science Project, youth learn about the experimental design process, attributes of scientific investigation, impacts of reliable data, and derive meaning from their finding.

Registered youth will receive a guided record book and be eligible to enter their project and completed record book as part of Lowcountry 4-H Project Achievement Day.

For registration or more information visit the website below or contact your local Clemson Extension Office.
County Website: https://www.clemson.edu/extension/beaufort/4h/index.html
Contact your local 4-H agent to register or with any questions.

Should you require special accommodations due to a disability, please notify our office ten days prior to the event.
Lowcountry 4-H Science Project

Participant Responsibilities and Details

Objectives
- The objectives of 4-H personal development projects are that youth will:
  - Set goals, plan activities and strategies to achieve desired outcomes.
  - Reflect on their yearly work by documenting their skill development and learning experiences.
  - Give back to their communities through educational and service activities.
  - Learn valuable skills in record keeping, financial management, and written communication.

Registration
- Participants must be members in good standing and register online.
- Registration website: http://lowcountry4H.eventbrite.com
- Participants between the ages 5-18 as of January 1, 2020, may register for the project.
- Registration closes April 30, 2021 to be eligible for year end awards.

Project Expectations
- Learn to design and carry out a scientific investigation.
- Learn to distinguish between a science experiment and scientific demonstration.
- Maintain accurate project records.
- Complete activities and attend events to develop inquiry and investigation skills.
- Design and carry out an authentic science experiment from start to finish.

Project Achievement Day
- Project achievement day is an opportunity for youth to present their project to the judges to be eligible for 4-H awards. Please bring the following with you to achievement day:
  - Completed record book
  - Completed project with pattern used
    - Entry ideas for Cloverbuds: Display board of project
    - Entry ideas for Juniors: Display board and materials used in the experiment
    - Entry ideas for Seniors: Display board, materials used, and replicate the experiment during the presentation

Resources
The following websites will be helpful in determining an investigation for this project. Remember, the goal of the project is to conduct an investigation, not replicate a demonstration.
- https://www.sciencekids.co.nz/
- https://www.education.com/science-fair/
- http://www.all-science-fair-projects.com/category0.html
You can also purchase curriculum from the 4-H Shop
- https://shop4-h.org/collections/science-technology-engineering-math-curriculum

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