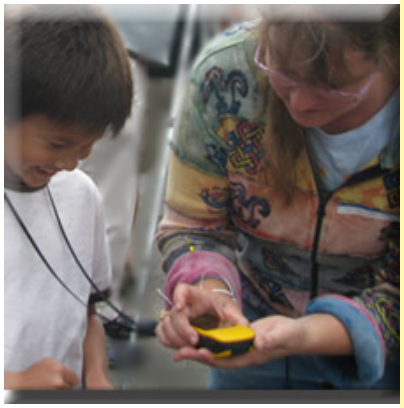
Colorado State University Extension

4-H

GEOSPATIAL

General/Natural Resources Projects



Resources

- Exploring Spaces, Going Places CD

This CD contains these units:

LC3400 - Geospatial Helper's Guide

MC3401 Setting Out - Unit 1

MC3402 On the Trail - Unit 2

MC3403 Reaching Your Destination - Unit 3

- Geospatial Tip Sheet
- Geospatial Score Sheets
- Geospatial e-record
- State Fair Exhibit Requirements

Do you wonder about the satellites that circle the earth and how they can help us find things? Do you know what GPS is and how to use it? In this project 4-H members will have fun exploring geospatial sciences from simple geocaching (using GPS receivers to look for hidden treasure boxes all around the world) to complex community mapping projects. 4-H members will learn how to use the Global Positioning System (GPS) to collect spatial data, plot results on detailed maps and provide useful resources to help their communities.

Geospatial - Unit 1 Jr./Int./Sr.	Geospatial - Unit 2 Jr./Int./Sr.	Geospatial - Unit 3 Jr./Int./Sr.	Group Projects
This unit is designed for members ages 8-18 years old. Members will accomplish the following learning experiences: • Learn about geographical positions • Learn about navigational tools such as GIS, GPS and compasses • Measure distances	This unit is designed for members ages 8-18 years old. Members will accomplish the following learning experiences: • Learn how to collect data • Combine data with geographical positions • Create maps of homes, neighborhoods and communities	This unit is designed for members 8-18 years old. Members will accomplish the following learning experiences: • Create multi-layered maps to attempt to solve problems. (Examples: find ways to reduce traffic congestion, or pinpoint pollution sources, etc.)	4-H members may do this unit as a group to attempt to solve a problem in their community. The members can exhibit their results as a group. For example: mapping all the noxious weeds in the park or mapping the dead trees in the town, etc.

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