Here’s what you can do all year!

**Getting Out**
**Level 1**
- Learn about navigational tools such as GPS, compasses, maps and globes.
- Identify the components of a position.
- Measure distances.
- Learn to gather and work with positional data.
- Discover how you can use this information in your community.

**On the Trail**
**Level 2**
- Discover how to collect data.
- Learn to combine data with geographical positions.
- Learn to build maps with geographic/geospatial data.

**Reaching Your Destination**
**Level 3**
- Discover how maps can help solve a problem.
- Identify different types of data.
- Learn to combine layers of information to create maps.
- Learn how maps can be used to solve problems in your community.

**Pass it on!**
Now that you know how, share it with others. Here are ideas to get you started.

**Communication**
- Prepare a demonstration on how to use a GPS receiver.
- Prepare a speech on how a GPS works.
- Demonstrate how to create a map.
- Interview an adult who is working in a geospatial-related career.

**Citizenship**
- Find out how you can work on a geospatial project to help your community.

**Leadership**
- Conduct a geospatial skillathon.
- Teach a GPS workshop.
- Create a virtual geocache at your county fair, 4-H achievement days or community celebration.
- Share what you have learned with your 4-H club.

**Entrepreneurship**
- Teach classes on using a GPS receiver.
- Teach classes on making maps.
- Create maps.

Learn more at [www.ndsu.edu/4h](http://www.ndsu.edu/4h) or contact your county NDSU Extension office.
Here are other geospatial opportunities to explore:

- Take a geospatial class offered in your school or community.
- Shadow a GIS professional in your community.
- Visit a business that does mapping and see how the maps are created and printed.
- Connect with a member of the North Dakota Geographic Alliance.

### 4-H Resources

- **National 4-H Curriculum CD** - Exploring Spaces, Going Places Geospatial Geographic CD
  - Level 1 – Getting Out
  - Level 2 – On the Trail
  - Level 3 – Reaching Your Destination
- **Educational Trunks**
  - Garmin eTrex Legend GPS Trunk
  - Geocaching Trunk
  - Orienteering Trunk
- **2013 National Youth Science Day Experiment - 4-H Maps & Apps**

### Other Resources

- Geocaching.com
- National Geographic Kids
- My Community, Our Earth
- My Wonderful World
- Best of the Web - GPS
- ESRI 4-H and GIS
- GIS.com
- ArcGISOnline

### Recordkeeping

- **4-H Project Plan**
- **Planning for My Project Adventure** (Ages 8-10)
- **4-H Plan of Action** (Ages 11-18)
- **ND 4-H Participation Summary for 11 to 19 year olds**

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