



ArcGIS Learning Guide for K-12 Educators

Esri offers a variety of resources and training to help K-12 educators and their students learn with and about GIS. Whether you are looking for instructional resources to use with students, training to provide context and GIS know-how for yourself, or best practices for managing your school ArcGIS Online organization, we can help you to grow your skills and confidence.

The recommended training and instructional resources for educators listed in this document focus on use of ArcGIS Online. These resources, or links to them, can be found on three websites:

- Esri Academy (esri.com/training)
- Esri K12 GIS Organization on ArcGIS Online (k12.maps.arcgis.com)
- Learn ArcGIS Teach with GIS page (learn.arcgis.com/en/educators)

Recommended learning resources for educators

- **[Teaching with GIS: Introduction to Using GIS in the Classroom](#)**
Presents strategies for integrating GIS to support instruction, discussion, and extended learning on any topic. It includes many practical ideas for GIS activities that enhance student learning and critical thinking skills. Uses ArcGIS Online. (Free web course)
- **[ArcGIS Online SkillBuilder Activities for Education](#)**
Use this document, created especially for educators as your scaffolded pathway to learning to use and teach with ArcGIS Online. Explore ArcGIS Online, assess skills, learn techniques, and build your capacity with GIS. (Document)
- **[Esri's MOOC Program \(massive open online courses\)](#)**
 - [Going Places with Spatial Analysis](#) (October 31 - December 11, 2018) Gain a deeper understanding of spatial data analysis. This is a good course for learning what GIS is all about.

Documents and courses about ArcGIS Online use and administration

- [ArcGIS Online Use Strategies for Instruction](#) - Best practices and options for teaching with ArcGIS Online.
- [ArcGIS Online Organizations for Schools and Clubs](#) - A high-level view of ArcGIS Online organizations for use in schools and youth clubs prepared by Esri's Schools program manager.
- Teach with GIS Implementation Guides for a [Classroom](#), [School](#), or [District](#).
- [ArcGIS Online: Administration Basics](#) (Video)
- [Set Up an ArcGIS Organization](#) (Tutorial)
- [Preparing to Implement ArcGIS Online](#) (Web course)
- [Configuring and Administering an ArcGIS Online Organization](#) (Web course)
- [Performing ArcGIS Online Administrator Tasks](#) (Web Course)

Resources about field data collection with ArcGIS

- [Create an editable web layer with Survey123](#) (Tutorial)
- [Gather Data with Your Smartphone](#) (Tutorial)
- [Get Started with Survey123 for ArcGIS](#) (Web Course) Learn to create a survey for a Citizen Science activity, analyze survey data, and share survey results.
- [Teaching with GIS: Field Data Collection Using ArcGIS](#) (Web Course) Follow a five-step workflow to prepare for field data collection activities with students. Course uses ArcGIS Online, ArcMap, and Collector for ArcGIS. (Web course)

Recommended Instructional Resources

- [ArcGIS Online Five by Five](#)
Five easy activities you can do in five minutes each. The activities require computers with internet access able to support simultaneous web-based mapping by all. No login required. (Document)
- [Get to Know GIS \(for Secondary Students\) Learning Plan](#)
This series of five self-paced web courses provides a concise introduction to what GIS is all about. Students can access the courses anonymously. Use them as a unit or choose individual courses. Review the associated [Educator Guide](#), which can be accessed from the Download Preparation Resources link in the catalog.
 - Exploring GIS Maps
 - Getting Information from a GIS Map
 - Using GIS to Solve Problems
 - Telling Stories with GIS Maps
 - Putting Your GIS Skills to Work
- [GeoInquiries](#)
GeoInquiries are fast, easy-to-use instructional resources that incorporate ArcGIS Online web maps. Each 15-minute activity can be presented by the instructor from a single computer/projector classroom arrangement. (Documents plus online maps)
- [Thinking Spatially with GIS](#) and [Mapping Our World](#)
These scripted lessons and maps were developed to enhance spatial learning for students, and to provide teachers with comprehensive and easy-to-use resources for GIS instruction in the classroom. (Documents plus online maps)

More information

Visit the Esri Schools page (esri.com/schools) to learn more about Esri's commitment to education and Esri offerings for schools, including the [ArcGIS for Schools Bundle](#) of free software for schools.

Contact Esri Training at GIStraining@esri.com or lbowden@esri.com with questions.