



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)
- [ArcGIS Online Basics](#)
Explains what ArcGIS Online is, provides a foundation for working with ArcGIS Online, and describes core capabilities. (Free web course)
- [Getting Started with Spatial Analysis](#)
Explore how the six categories of spatial analysis can help your students answer geographic questions. Navigate these questions using the spatial analysis workflow. (Free web course)
- [Going Places with Spatial Analysis](#) (a massive open online course in [Esri's MOOC Program](#))
Gain an understanding of spatial data analysis, a key power of GIS. A good introduction to GIS for tech-savvy educators.

Recommended guides for implementing ArcGIS Online

- Teach with GIS **Implementation Guides for a [Classroom](#), [School](#), or [District](#).**
- [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.

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 self-paced web courses for middle to high school age students 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](#).
 - 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
- [Geolnquiries](#)
Geolnquiries are fast, easy-to-use, standards-based instructional resources. Each 15-minute activity can be presented by the instructor from a single computer/projector classroom arrangement. Each Geolnquiry consists of a PDF guide and an online map.
- [Learn ArcGIS Lesson Library](#)
Ten units of lessons that build on the concepts covered in the free, online, interactive textbook, The ArcGIS Book. Lesson PDFs have step by step instructions written for students. Also, many other contributed lessons.
- [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)

About administering an ArcGIS Online Organization

- [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)

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 at GIStraining@esri.com or EducationInfo@esri.com with questions.

Find this document online at <http://esriurl.com/k12learningguide>