



# Getting Started with Online GIS for Educators

Geographic Information Systems (GIS) technology allows users to make maps and analyze data. Savvy educators have been using GIS since the early 1990s, but online GIS makes it easy for educators to get started, even just learning on their own, online. Here is a sequenced set of resources and activities with which to begin; they start fast and easy, scaffold ideas and skills, and generally take more time and require more background as one progresses, so items should be experienced in order.

## I. Learning About GIS & ArcGIS Online

1. [LINK](#) - What Is GIS (1-min video)
2. [LINK](#) - Power of Maps (3-min video)
3. [LINK](#) - Learn About Esri (4-part webpage)
4. [LINK](#) - GIS in Ed Intro (quick PDF slideshow)
5. [LINK](#) - GIS in Schools YouTube playlist (short videos; see at least #1[HI])
6. [LINK](#) - AGO5x5 (activity instructions; do at least parts 1-3)
7. [LINK](#) - AGO Skillbuilder (activity; do at least Level One, steps 1-17)

## II. Intro to Teaching with ArcGIS Online

8. [LINK](#) - GeoInquiries video (7-min video)
9. [LINK](#) - GeoInquiries lessons (work through at least one per set)
10. [LINK](#) - Teaching with GIS (3-hour online course)
11. [LINK](#) - Get to Know GIS (For Secondary Students) (5-activity Learning Plan)
12. [LINK](#) - AGO Use Strategies (2-page reference doc)
13. [LINK](#) - AGO Orgs for Schools (36-page reference doc)
14. [LINK](#) - Request an ArcGIS Online Organization account for the school
15. [LINK](#) - USK12GIS Map (see schools, communities, geomentors, savvy educators, events)

## III. Boosting ArcGIS Online Background & Skills Useful for Instruction

16. [LINK](#) - AGO Skillbuilder (again; do at least Level Two, steps 18-58)
17. [LINK](#) - The ArcGIS Book + Instructor's Guide to the ArcGIS Book ([request](#) free)
18. [LINK](#) - K12 GIS Org resources (maps&apps, movies, blogs, etc)
19. [LINK](#) - Esri MOOCs (several choices)
20. [LINK](#) - Programmer/Hacker/Coder Resources (Go to "06," >> #14-end)

## IV. Professional Development options

21. [LINK](#) - Attend Esri Education GIS Conference
22. [LINK](#) - Attend events on GIS Education Event calendar/map
23. [LINK](#) - Do Developing Project Based Instructional Units Utilizing ArcGIS Online (free self-paced online course for PBL-minded educators)
24. [LINK](#) - Participate in GeoNet Groups (establish GeoNet login, set up a profile, join at least the Education space and K12 Instruction group)
25. [LINK](#) - Participate in Esri Teachers Teaching Teachers GIS (T3G) Institute