

GIS Resources for K-12 Educators

Delaware Geographic Alliance (DGA)

Through a GIS licensing agreement between Environmental Systems Research Institute (Esri) and the state of Delaware, Delaware Geographic Alliance provides an educational portal for information and resources. Access to ArcGIS software, ArcGIS Online registration codes and virtual training classes are FREE for Delaware K-12 educators, administrators and formalized clubs, both public and nonpublic.

GIS questions; contact DGA- delawaregeoalliance@gmail.com

Esri GIS Information

Getting started with ArcGIS Online:

1. ConnectED Site - <http://esri.com/connected>; signup for a FREE subscription account.
2. ESRI K12 GIS Organization - <http://k12statelicense.maps.arcgis.com/home/> instructional docs, blogs for Educators, links to youth videos and maps, maps, maps. AGO Instructions link includes several educator instructional resources.

Instructional:

1. Teaching with GIS FREE 3 hour course - <http://esriurl.com/vcteachingwithgis>; excellent course, could even be a prerequisite.
2. Mapping with ArcGIS Online - <https://esri.app.box.com/mappingwithago>; collection of videos, tutorials, online courses and relevant blogs.
3. Geo-inquiries - <http://gisetc.com/geoinquiries/>, designed to be fast and easy-to-use instructional resources. Resources include Earth Science, Mapping our World, Thinking Spatially, ArcLessons and SpatialLABS.
4. AGOL Strategy page - <https://esri.app.box.com/agousestrategies>; describes different account types.
5. GPS Resources:
<http://education.maps.arcgis.com/home/group.html?owner=esriedtmjk&title=GPS>
6. ArcGIS Online Skillbuilder - <https://esri.app.box.com/v/agoskillbuilder>

Other Resources:

1. MENTORing Contacts- <http://arcg.is/1OW9J03> OK now that you have taken a class/workshop and are back in your school you have GIS questions. Whom should you call? A good place to start is with this URL. Go to tab #4. This is a story map called USK12GIS that has a tab showing mentors available. Zoom into Delaware and find one in your area.
2. COLLECTOR App (pad/smartphone) - <http://doc.arcgis.com/en/collector/>; requires an ArcGIS Online subscription account and can be downloaded as an app to IOS and Android. Great way to get kids out and collecting data, then coming back in to see everything on a Web map.
3. SNAP2MAP (phone only) - <http://blogs.esri.com/esri/gisedcom/2014/08/04/fun-with-gis-161-snap2map>; this app for Android and IOS will take your pictures and develop into a story map.
4. Tutorials - <http://resources.arcgis.com/en/tutorials/>
5. Story Maps - <http://storymaps.arcgis.com/en/>; awesome site. Story maps look great and really are not difficult to develop.

Educational links for teachers and students:

- Free GIS resources - <http://gisetc.com/free-resources/>; GIS blogs, free apps, classroom games and GIS related material.
- More Games - <http://kids.nationalgeographic.com/games/>
- Esri Education Community Blog - <http://blogs.esri.com/esri/gisedcom/>
- Esri GIS for Schools - <http://www.esri.com/industries/k-12>
- YouTube on “Why GIS” - <http://www.youtube.com/playlist?list=PL4412589C6E9CD867&feature=plcp>
- Name That Place: A multiple Choice Quiz about Earth - <http://www.arcgis.com/apps/presentation/index.html?webmap=f95d562571d740a6840254ee53ae3024>

State of Delaware Geospatial Data Resources

The state’s most prominent data catalogs are available at the following locations:

- Delaware FirstMap - <http://firstmap.gis.delaware.gov/data.shtml>