

RESOURCES

GIS Teacher/Educational Resources:

➤ Links to Dr. Jenny's presentation & Links included in her presentation:

- **PowerPoint:** http://jenniferalantz.info/Teaching/Lectures/AOP-GuestLecture_BTI_2017.pdf
- **Videos:**
 - Bringing GIS into your K-12 Classrooms: <http://video.esri.com/watch/4500/connected-take-your-students-to-new-places>
 - So Easy a 4th Grader Can Do It (links to Kylie & Rikki's 2014 Esri UC talk in front of 15,000 people): <http://video.esri.com/watch/3665/connecting-gis-with-education>
"GIS Kids Are Super!" blog post: <http://blogs.esri.com/esri/ucinsider/2014/07/15/gis-kids-are-super/>
- **Esri's ConnectED resources for K-12 Teachers:**
 - <http://www.esri.com/connected>
 - <http://edcommunity.esri.com>
 - GeoInquiries: <http://edcommunity.esri.com/geoinquiries/>
 - Free ArcGIS Online Organization Account for K-12: <https://esri.app.box.com/connectedrequest>
- **Story Maps:**
 - Esri's Story Map homepage: <http://storymaps.esri.com/>
 - The Assassination of Abraham Lincoln: <http://arcg.is/1NTUPL3>
 - The Aquarium of the Pacific (AOP)'s Story Map Homepage: <http://aop.maps.arcgis.com>
Steelhead Story Map: <http://arcg.is/1f8zfe>
BTI 2014 Workshop Story Map: <http://arcg.is/1pyLzPY>
- **Tutorials:**
 - Story Map Tutorial: http://JenniferALantz.info/Teaching/Tutorials/CreatingMapTourStoryMaps_2014.pdf
 - iNaturalist Step-by-Step Training: http://jenniferalantz.info/Teaching/Tutorials/iNaturalist_Training.pdf
 - iNaturalist Batch Add & Edits: http://jenniferalantz.info/Teaching/Tutorials/iNaturalist_BatchAdd-Edit.pdf
- Additional Tutorials & Presentations by Dr. Jenny can be found online at: <http://JenniferALantz.info/Teaching/>

➤ Other Important GIS Links for Educators:

- **FieldTrip Library** (www.fieldtriplibrary.com): Show them the world. Take your students on a journey without leaving the classroom. Field Trip Library brings events to life through significant places, timelines and rich media.
- **GISetc** (<http://gisetc.com/>): GIS Education Technology Consultants, GISetc's mission is to provide cutting-edge GIS professional development, curriculum and software support to K-12 and post-secondary schools, educators and students. We're excited about the possibilities of Esri's ConnectEd initiative, the amazing potential of the GeoMentor community, and how geospatially enabled curriculum can empower learning. Our goal is to advance education, improve quality of curricula, provide authentic research and learning projects, and to provide training and skill development in an atmosphere of discovery.
- **Global Forest Watch (GFW)**: <http://bit.ly/GFW-education>
GFW Teacher Training. Master the free, interactive website perfect for visualizing forest change.

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GIS Teacher/Educational Resources (continued):

➤ ESRI's GIS Links for Educators:

- **The Whitehouse's ConnectEd Initiative:** <http://www.esri.com/connected>
Esri's Online Mapping & Analysis for all Schools Website, which includes free instructional materials, how to setup your school's free ArcGIS Online Account, etc.
- **Esri's EdCommunity K-12 Resources:** <http://edcommunity.esri.com/>
 - **GIS is STEM website:**
STEM (Science, Technology, Engineering, & Math) fields require the abilities to collect and analyze data, while asking and answering questions based on the data. A GIS helps you answer questions and solve problems by looking at your data in a way that is quickly understood and easily shared.
 - **Geolnquiries:** available for **Earth Sciences, US History, Advanced Human Geography, Grade 4 Interdisciplinary, & Advanced Environmental Science and Biology** Geolnquiries are designed to be fast and easy-to-use instructional resources that incorporate advanced web mapping technology. Each 15-minute activity in a collection is intended to be presented by the instructor from a single computer/projector classroom arrangement. No installation, fees, or logins are necessary to use these materials & software
 - **Mapping Our World:**
Extended lessons for middle school world geography Mapping Our World was developed to enhance GIS learning for students of all levels, grade school through college, and to provide teachers with comprehensive and easy-to-use resources for GIS instruction in the classroom. Updated teacher and student materials are available at no-cost to download and use in classroom instruction.
 - **Thinking Spatially Using GIS:** Extended lessons for upper elementary geography students
 - **SpatialLABS:** Free GIS Labs to promote spatial thinking skills in multiple disciplines. Created by educators & peer-reviewed. Environmental Science, humanities, & Social Science topics.
 - **ArcLessons:** Instructional materials for various software, subjects, and grades
 - **E-books for Education:** Download and save FREE e-books for education
- **T3G Institute:** Teachers Teaching Teachers GIS
<http://edcommunity.esri.com/educational-roles/t3g-educators> & www.esri.com/events/t3g-institute
- **Learn ArcGIS,** Guided Lessons on Real World Problems: <http://learn.arcgis.com/>
- **Esri Global Content Challenge** for High School, Undergrad & Graduate Students: <http://go.esri.com/content-challenge>
- **Teaching with ArcGIS Online** (Free, self-paced course for educators on how to start using ArcGIS Online with students):
<http://training.esri.com/gateway/index.cfm?fa=catalog.webCourseDetail&courseid=2198>
- **GeoMentor Program:** <http://edcommunity.esri.com/educational-roles/GeoMentors>
educators team up with GIS professionals to accelerate students' use of geospatial concepts & skills
- **SkillBuilder Activities for ArcGIS Online in Education:** <https://esri.app.box.com/agoskillbuilder>
- **Esri K-12 GIS Org** (free resources for teaching with ArcGIS Online): <http://k12statelicense.maps.arcgis.com/>
- **The ArcGIS Book – 10 Big Ideas About Applying Geography to Your World:** www.TheArcGISBook.com