

# RESOURCES

## GIS Teacher/Educational Resources:

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

- PowerPoint: [http://jenniferalenz.info/Teaching/Lectures/AOP-GuestLecture\\_BTI\\_2015.pdf](http://jenniferalenz.info/Teaching/Lectures/AOP-GuestLecture_BTI_2015.pdf)
- Tutorial: [http://JenniferALenz.info/Teaching/Tutorials/CreatingMapTourStoryMaps\\_2014.pdf](http://JenniferALenz.info/Teaching/Tutorials/CreatingMapTourStoryMaps_2014.pdf)
- The Aquarium of the Pacific (AOP)'s Story Map homepage: <http://aop.maps.arcgis.com>
- Esri's Story Map homepage: <http://storymaps.esri.com/>  
*links to Story Maps shown in Dr. Jenny's presentation*
  - We are living in the Age of Humans: <http://arcg.is/1uGqg6X>
  - Living on the Edge – The Extremes of Human Inhabitation: <http://apl.maps.arcgis.com>
  - The Assassination of Abraham Lincoln: <http://arcg.is/1NTUPL3>
  - Mapping Segregation in Washington D.C.: <http://arcg.is/1dLq259>
  - Plate Tectonics: <http://apl.maps.arcgis.com/apps/MapJournal/?appid=df5f94c0050b4075adfbba54fb13eae>
- **So Easy 4th Graders Can Do It:** links to Kylie and Rikki's 2014 Esri UC talk in front of 15,000 people!
  - "Connecting GIS with Education"  
video of 4<sup>th</sup> Grade girls, Kylie & Rikki, demoing their GIS work at the 2014 Esri User Conference:  
<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/>
- Create Free ArcGIS Online Organization Account for K-12: <https://esri.app.box.com/connectedrequest>
- GIS Apps for your Smartphone or Tablet: Snap2Map, and your favorite GPS tracking app
- Additional Tutorials and Presentations by Dr. Jenny can be found online at:  
<http://JenniferALenz.info/Teaching/>

### ➤ Other Important GIS Links for Educators:

- **FieldTrip Library** ([www.fieldtriplibrary.com](http://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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## ➤ 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.
  - **GeolInquiries:** available for **Earth Sciences, History** (more coming), & **AP Human Geography** (coming soon)  
GeolInquiries 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](http://www.esri.com/events/t3g-institute)
- **Learn ArcGIS,** Guided Lessons on Real World Problems: <http://learn.arcgis.com/>
- **Visualize Your Water: A GIS Visualization Challenge for High School Students** (<http://esriurl.com/2016challenge>)
- **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](http://www.TheArcGISBook.com)



Thank you for your interest in acquiring a free **ArcGIS Online for Organizations subscription** for a school, in response to Esri's commitment to President Obama's ConnectED Initiative. To learn more about Esri's commitment, see <http://connected.esri.com>.

**Eligibility:** Account recipients must be a U.S.-accredited school (public or non-public) or a homeschool offering K-12 education.

**Preparation:** Before requesting an ArcGIS Online subscription, we recommend educators get comfortable with what can be done on ArcGIS Online, using the [SkillBuilder Activities for ArcGIS Online in Education](#). For additional options, see [Esri's K12 GIS Organization on ArcGIS Online](#).

**To apply:** Application consists of two parts. Keep the originals for your records, and send the two parts as attachments (.pdf, .doc, .docx, or .jpg) to a single email, sent to [connectedschools@esri.com](mailto:connectedschools@esri.com) with subject "ConnectED ArcGIS Online request."

1. This form, completed.
2. A request on school letterhead, signed by a member of the school's instructional, technical support, or administrative staff. The letter should request "an ArcGIS Online for Organizations subscription for instructional use, as part of ConnectED."

This is a fillable form. Please fill out the fields below.

|                                  |       |
|----------------------------------|-------|
| School Name (required)           | _____ |
| Department Name (optional)       | _____ |
| School Street Address (required) | _____ |
| School City (required)           | _____ |
| School State (required)          | _____ |
| School ZIP Code (required)       | _____ |
| School Telephone (required)      | _____ |
| Contact Name (required)          | _____ |
| Contact Email (required)         | _____ |

If you seek to convert an existing ArcGIS Online trial to a full ArcGIS Online subscription, please provide the following information:

|   |       |
|---|-------|
| trial Subscription ID # (10-digit number) | _____ |
| Subscription Administrator email address  | _____ |

ArcGIS Online for Organization subscriptions provided through the ConnectED program are available for instructional use only. Use of the account for any other purpose, including administrative or research purposes, or any private non-instructional use, or by anyone not officially recognized as part of the school, is not permitted. (Persons interested in such use should contact Esri at 800-447-9778 or see <http://www.esri.com/arcgisonline>.) Official terms of use for ArcGIS Online are visible here: <http://doc.arcgis.com/en/arcgis-online/reference/terms-of-use.htm>.

*Save this file with your changes, and send with your official request to [connectedschools@esri.com](mailto:connectedschools@esri.com).*