









anita@gisetc.com | barbaree@gisetc.com | chris.bunin@gmail.com | chrispo@gmail.com

Anita Palmer | Barbaree Duke | Chris Bunin | Christine Esposito

gisetc.com/gisforteachers | cartediempress.com





With a combined 100 years of teaching & 75 years of geospatial teaching experience...

Techniques for Pedagogy, Integration and GIS

01

Using Precreated Story Maps 02

Using Geolnquiries 03

Using Precreated Web Maps 04

Adapted GeoInquiries 05

Making
Maps & Data
Collection

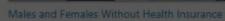
06

Project Based Learning tory Maps Gallery

and Economy

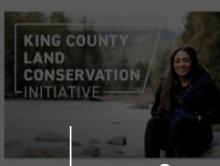


Pre-created Story Maps

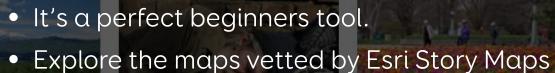








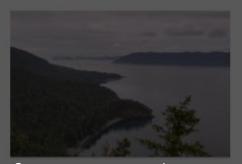
start



team.

Audubon Climate Watch



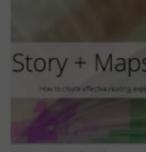


Search the gallery by topic for a great place to



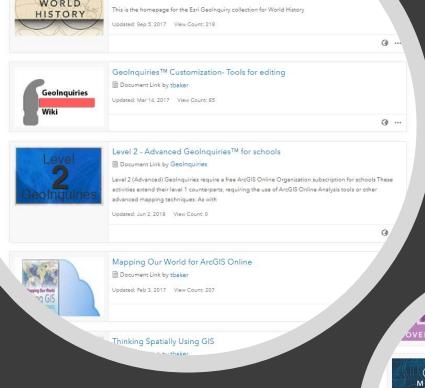


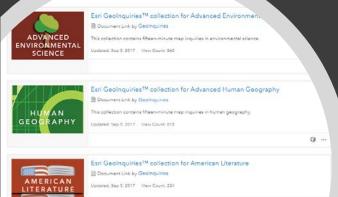










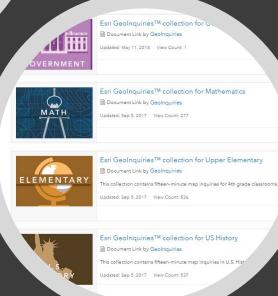


Esri GeoInquiriesTM collection for Earth Science

Document Link by GeoInquiries

This collection contains fifteen minute ma

Updated, Sep 5, 2017 View Count: 1,122

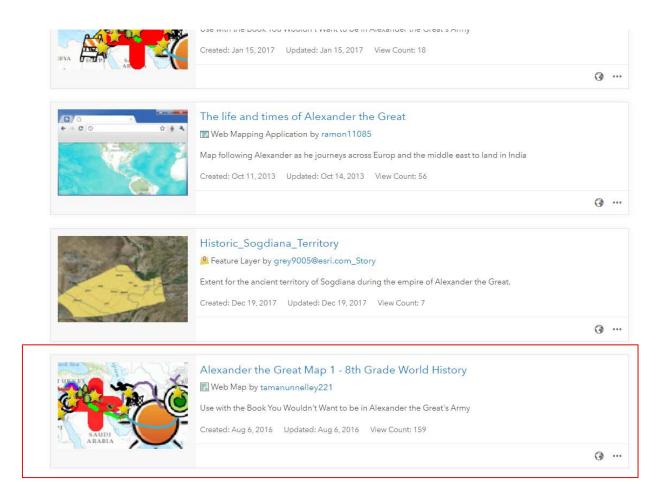


Use Geolnquiries

- 13 collections
- Designed for Instructors to guide students through a 15-20 minute discussion.
- Adaptable, CC Licensed content
- Standards and Textbook referenced

Pre-Created Web Maps

- Search by Topic at arcgis.com
- Historical figures or events
- Famous Authors
- Scientific Research



Hacking Geologuiries: Tools for Customization

http://bit.ly/HackingGeoInquiries

Geologuiries are short, standards-based inquiry activities for teaching map-based concepts found in commonly used textbooks. Using an inquiry instructional model, Geologuiries integrate ArcGIS Online technology to support subject matter content teaching. Lessons include learning objectives, technical "how-to's", textbook references, and formative whole-class assessment items - all packed into one page. These activities are technology agnostic and can be delivered in a classroom with as little as a tablet and a projector. Any teacher can use a Geologuiry, regardless of their prior experience with digital mapping tools. For questions or concerns, email <u>geoinquiries@esri.com</u>



The goal of these wiki-style pages is to help you, the classroom instructor, move beyond the

"out-of-the-box" geoinguiries, customizing the maps and activities to your needs. The page is accessible at: http://bit.ly/HackingGeoInquiries

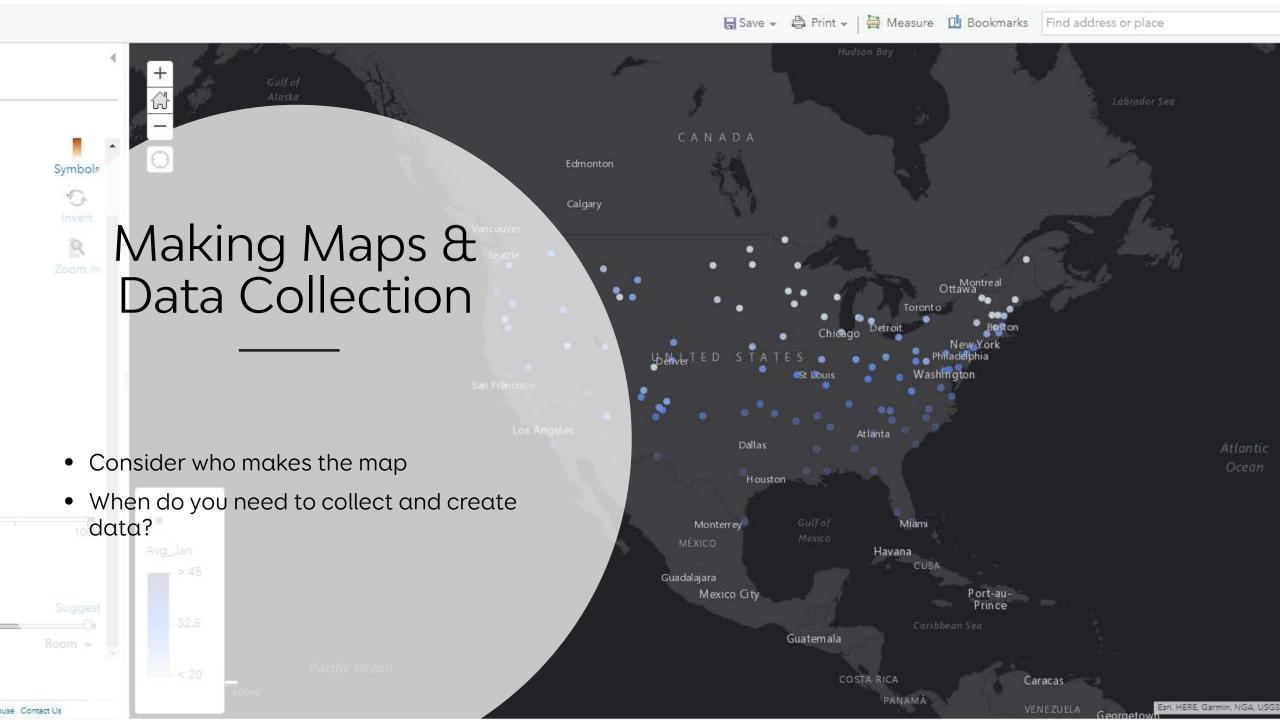
- Geolnquiries -->
- Hacking the instruction sets -->
- Hacking Geolnquiry maps -->
- Hacking Geolnquiry data →
- Analyzing Geolnquiry data -->

Educational Research

A growing bibliography of geoinquiry academic articles and research and research is now online at http://bit.ly/GeoInquiryPubs .

Adapted Geolnquires

http://bit.ly/HackingGeoInquiries



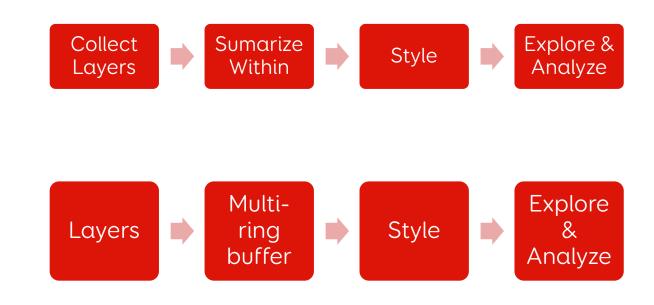
Project-Based Learning & GIS



Connecting PBL with Geographic Inquiry

Give students essential experiences in analysis, planning, data creation, and communication.

Applying the GIS Advantage -Analysis



ANALYSIS SCENARIO 3



A group of students are doing a project on the major river systems of the United States and were assigned the Mississippi River System. They would like to create a map that shows the Mississippi River, the major rivers of the Mississippi River System, and all the US States that intersect these rivers.

Now, where to store maps and data?

What is the best way to organize your ArcGIS Organization?

When do you introduce students to their own accounts?

How do you take advantage of groups?





anita@gisetc.com | barbaree@gisetc.com | chris.bunin@gmail.com | chrispo@gmail.com

Anita Palmer | Barbaree Duke | Chris Bunin | Christine Esposito

gisetc.com/gisforteachers | cartediempress.com