

Homework: Introduction to Using ArcGIS Online

The Task: Become proficient in using ArcGIS Online.

Standards: **9.3.1.1.1** – Create tables, graphs, charts, diagrams and various kinds of maps including: symbol, dot and choropleth maps to depict the geographic implications of current world events or to solve geographic problems.

9.3.2.3.1 – Make inferences and draw conclusions about the physical and human characteristics of places based on a comparison of maps and other geographic representations and geospatial technologies.

How To:

- 1. Access your ArcGIS Online account through the link sent to your AFSA email account.
- 2. There are several lessons you will be required to complete. They are listed on the back.
 - a. If you complete all the required lessons there are also some enrichment opportunities.
- 3. Go to <https://wke.lt/w/s/1F-Bkc> for links to required lessons and the enrichment options.
- 4. As you gain skills – have them signed off by an adult on the check list below.

Search for and add layers Sign off: _____

Access a layer’s “Description” Sign off: _____

Turn layers on and off Sign off: _____

Save and share a map Sign off: _____

Make a layer more transparent Sign off: _____

Edit pop-ups Sign off: _____

Change style of layer Sign off: _____

Add a map note Sign off: _____

Change symbols Sign off: _____

Create a web app Sign off: _____

Grading: Homework – 20 points

Once proficiency has been demonstrated and checklist has been signed off, all points will be awarded.

THIS ASSIGNMENT WILL BE DUE

Required Lessons

Unit 1: GIS Provides a Common Visual Language

Lesson 3: Add Data to ArcGIS Online

Lesson 4: Working with GIS Layers

If need additional practice – Lesson 5: China in Layers

Lesson 6: Analyzing Nepal Earthquake Centers

If need additional practice – Lesson 7: Filter and Query to Understand Earthquakes

Unit 2: Mapping is for Everyone

Lesson 3: Displaying Crime Data with Heat Maps

Unit 3: Tell Your Story Using a Map

Lesson 2: Create a Basic Story Map

Lesson 3: Create a Web App: Cities Through Time

Unit 4: Great Maps Need Great Data

Lesson 2: Base Maps: Explore and Create

Lesson 3: Accessibility: Can You Stroll to the Farmer's Market?

Unit 5: The Power of Where

Lesson 3: Custom Pop-Ups

If you complete the above lessons in the class time provided you can continue completing lessons. Suggested lessons include:

Unit 1: Lesson 9 - The Opioid Crisis in America

Unit 2: Lesson 2 - Adding Point Data

Lesson 4 - Educational Levels in the US

Unit 3: Lesson 6 - Disappearing Lake

Unit 4: Lesson 4 - Help Restore a Watershed

Lesson 5: Visualizing an E.Coli Outbreak

Unit 5: Lesson 2 - Analysis and Emergency Management

Lesson 7 - Midterm Election