

Table 1. Introduction to GIS for Teachers: ArcGIS Online (AGOL) Knowledge and Skills

Knowledge/Skill	Practical				
	1	2	3	4	5
Log in to Windows desktop computer	✓				
Access Internet using browser (Chrome)	✓				
Use a mouse to navigate desktop computer	✓				
Download, view, and save files from the internet	✓				
Explain “three legs of stool” GIS teaching analogy	✓				
Construct map-based geographic questions	✓				
AGOL – open existing web map from URL	✓				
AGOL – navigate map (pan)	✓				
AGOL – find address or place	✓				
AGOL – change basemap	✓				
AGOL – change map scale (zoom in/out), home	✓				
AGOL – measure areas and distances	✓				
AGOL – view content, legend, details	✓				
AGOL– interpret imagery basemap features	✓				
AGOL – use bookmarks	✓				
AGOL – create new map		✓			
AGOL – create, edit, symbolize map notes (points, lines, polygons)		✓			
AGOL – search for and add layers of data from ArcGIS Online		✓			
AGOL – change layer transparency		✓			
Read topographic map coordinates/symbology			✓		
Explain how to create (digitize) data layers (points, lines, areas)			✓		
Explain why symbolizing data is necessary/important			✓		
Explain how to create an attribute data table			✓		
Interpret orthophoto data			✓		
AGOL – ESRI Public Account (create/sign in/sign out)				✓	
AGOL – navigate ArcGIS Online (content, map)				✓	
AGOL – save map (title, tags, description)				✓	
AGOL – filter data in attribute table				✓	
AGOL – rename layers				✓	
AGOL – create map note from search result				✓	
AGOL – share map (make map public, note URL)				✓	
AGOL – edit popups (description, add hyperlink,)				✓	
AGOL – add image URL, add website URL					✓
AGOL – add x,y data table from file					✓
AGOL – symbolize point data					✓
Create save-work folder on desktop/USB					✓
Microsoft Word – open and save new documents					✓
Snipping Tool – create, copy/paste new “snips”/screenshots					✓