

Introducing the Self Paced, Open, Online Course:

Developing Project Based Instructional Units Utilizing ArcGIS Online

The purpose of this 5-part, self paced course is to guide teachers to develop project based instructional units in which students analyze spatial data. Having students examine data, find patterns, and make claims using spatial data as evidence promotes learning within content areas and complements research on how students learn.

Technical Skills

- Build experience with ArcGIS online as a tool for creating and analyzing spatial data
- Discover the power of using spatial data to communicate ideas
- Gather and prepare spatial data for teaching and learning

Instructional Skills

- Learn about how students learn
- Develop lessons using a project based instructional framework
- Manage student-centered learning
- Create lessons that require students to analyze spatial data and practice 21st century skills

Assessment Skills

- Design an appropriate assessment of student learning and conceptual understanding that requires students to utilize spatial data to communicate ideas
- Align assessments with learning goals
- Examine student work to guide development of quality assessments that measure student learning

Cost: FREE

Dates: OPEN/SELF-PACED

Participants said:

“Thank you for the great resources. I intend to use these as I design PBLs for the upcoming year over the next month.”

“I have been bringing GIS into my district at a pace dictated by my level of expertise. This course has done much to allows(sic) me to have more impact in my learning community”

“All components of this course were useful to me. Each provided a solid upgrading of my skills in GIS and they all added to what I am bringing to my district as it upgrades its own approach to STEM and its associated learning projects.”

