

## **Abstract**

Education and GIS have both moved onto mobile platforms to take advantage of the flexibility of having a device wherever the learner or user is. This project brings these innovations onto mobile platforms together with the creation of a mobile framework for GIS education. The framework demonstrates the ability to incorporate a wide variety of GIS as possible components within an educational lesson on GIS&T principles and workflows. This project looks at the research behind GIS&T pedagogy, M-learning with GIS&T, and GIS&T as a tool to enable study. The design and considerations for the project are explained and the authoring and lesson delivery applications built for this project are described. The project's authoring application and its companion lesson delivery application provide a proof-of-concept for GIS learning on the go. The results show that some objectives within the GIS&T Body of Knowledge are well suited for this framework, while some objectives cannot be met using this framework alone. Additional opportunities for development of the framework and research with the existing framework are also presented.