

This poster session will showcase several mobile technologies projects that are being developed and piloted through the Louisiana Initiative for Technology Exploration with the Deaf (LIFTED). Several of these tools are tied to current grant activities. First, a location-sensitive tour guide for school campuses has the potential to engage both students and parents. Using a cell phone with built-in GPS capabilities and a wireless network, students are able to walk near buildings and automatically view relevant multimedia presentations, via the Web, that includes language translations. A second cell phone application allows a person to use the built-in camera to scan 2D barcodes that trigger specific actions to occur such as directing the browser to a Web page or showing a text message which offers benefits similar to the GPS-based project, but for indoor environments. A related project leverages radio frequency identification (RFID) technologies to link tangible artifacts to multimedia presentations via handheld or stationary readers especially for young children. Finally, through a state SELECT grant, LIFTED is developing an on-line tutorial for addressing Web accessibility compliance. The target audience is K-16 for this hands-on poster exhibit.