Mobile science inquiry in schools currently requires multiple devices to sense, geolocate, record, tag, annotate, share, analyze, and visualize data.

What will learning ecology be like once cellphones integrate these capabilities?

Mobile Probeware facilitates Inquiry Cycles between classroom and field.

Activities + app tightly coupled, developed through participatory design with teachers, university professors in Education, CS, and Ecology, and cross-disciplinary researchers.

Students learn science by doing science, collaborating in mobile group inquiries at the field sites.

Livescribe Pen to record and annotate

POND VS. CREEK WATER QUALITY DATA COLLECTION

THE PH FOR THE POND WAS 6.70 AND THE CREEK WATER WAS 4.78.

Display of Data on the Spark System

Mobile Phones: Currently for GPS, QR codes, photo, video

Visualize and aggregate whole classroom data for sense-making discussions

Significant learning gains — plus, the students love it!

Topics: Water Quality, Soil Quality, BioDiversity

Ph 7.69

Collection