

Example 47

Fieldwork with mobile devices for students of Geography

Fieldwork learning can free students from the usual confines of classroom teaching, and allows them to undertake relatively independent and in-depth exploration and reflection. Fieldwork is particularly valuable for students' development of a clear understanding of concepts and theories in the PSHE subjects.

Through the use of mobile technology, teachers and students can transform conventional fieldwork into a kind of mobile learning (m-learning). In the course of fieldwork, mobile technology adds versatility to learning and teaching, including allowing teachers to provide guidance whenever deemed appropriate; and providing rich and extensive content for the fieldwork. Mobile technology also provides various tools to enable students to record, measure, etc., and engage in joint work. An example of local technology is EduVenture (An Integrated GPS-supported Mobile Educational System for Outdoor Inquiry Learning), a mobile device developed by CLST of the Chinese University of Hong Kong.



Geography fieldwork with mobile devices at Sharp Island (Ju Ching Chu Secondary School (Yuen Long)).



Data loggers and external data collection sensors for fieldwork.



Sensors for collecting weather data.



A portable weather station for data collection (The Hong Kong Observatory).