Employability:
Preparing students for the 21st Century workplace

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Aims

Employability – what this means in the classroom

Environmental Site Investigation Methods module

Outcomes

Employability

- Preparing students for the workplace
  - not training – impossible given range of potential jobs
- What jobs will students be doing in 2021 and beyond?
- How are they best going to be prepared for this?

Employability
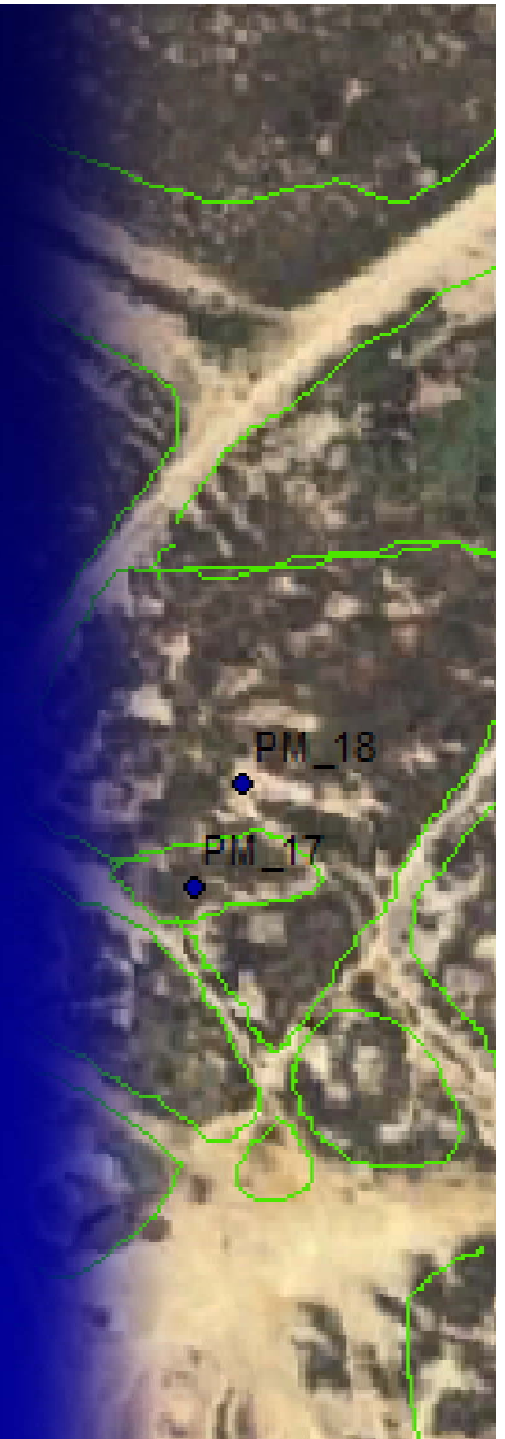
Discussions with employers, staff and students

Communication skills

IT skills

Mathematical skills

Subject specific knowledge

Working practices*

Site Investigation module

2 parts – Emulating industry practice

1) Desk study
   Review existing work and data – at Leicester
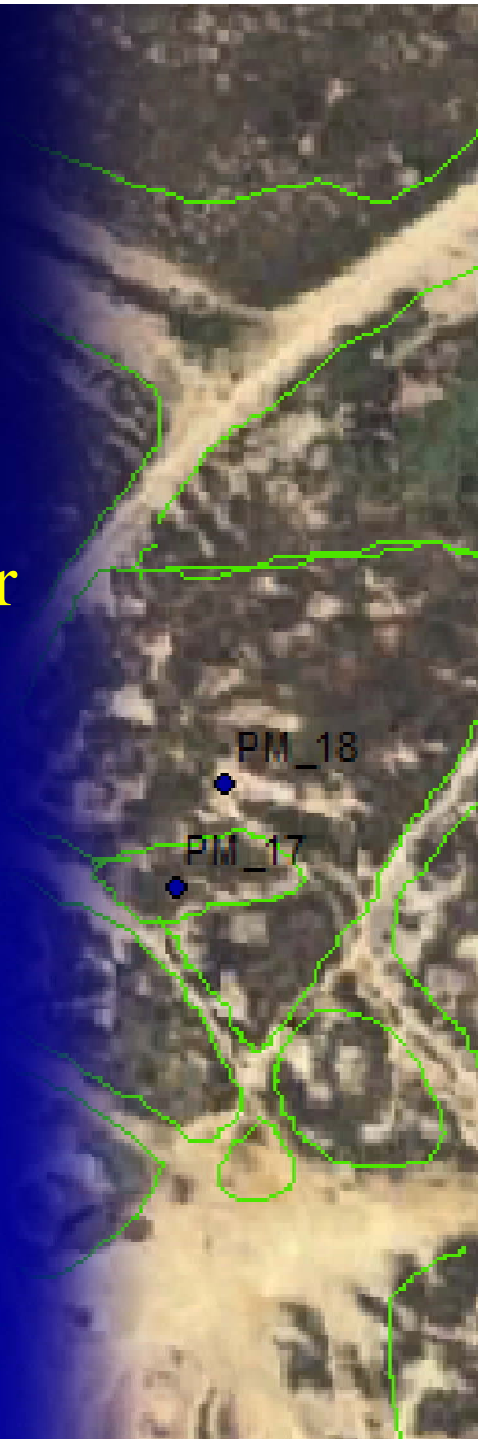   GIS
   Plan fieldwork
   Preliminary report – formative assessment

2) Field study
   Fieldwork – GIS to digital mapping
   Data evaluation and integration
   Report - summative assessment

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PM_17

Desk Study

- Fieldwork module

- Lab exercise:
    - Gather data/maps compile GIS etc
    - Plan survey
    - Short report

Field exercise

- Digital geological mapping
- Sample collecting
- Geophysical data acquisition

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BGS Sigma Mobile Software

Software Download from BGS website

Software requirements:

- MS Access
- ArcGIS 9.2

Hardware requirements:

- Tablet PC or similar
- MS Windows mobile OS

Learning materials
for digital mapping

- Guide for Academic staff – also need training!
- Quick start Guide for students
- Introductory lecture
- Laboratory exercise
- Field exercises
- Assessment

Shortly available from SPLINT CETL website
http://www.le.ac.uk/gg/splint/

'Field' Exercise

- Integrate field data with lab. study
- Final report – used by following year
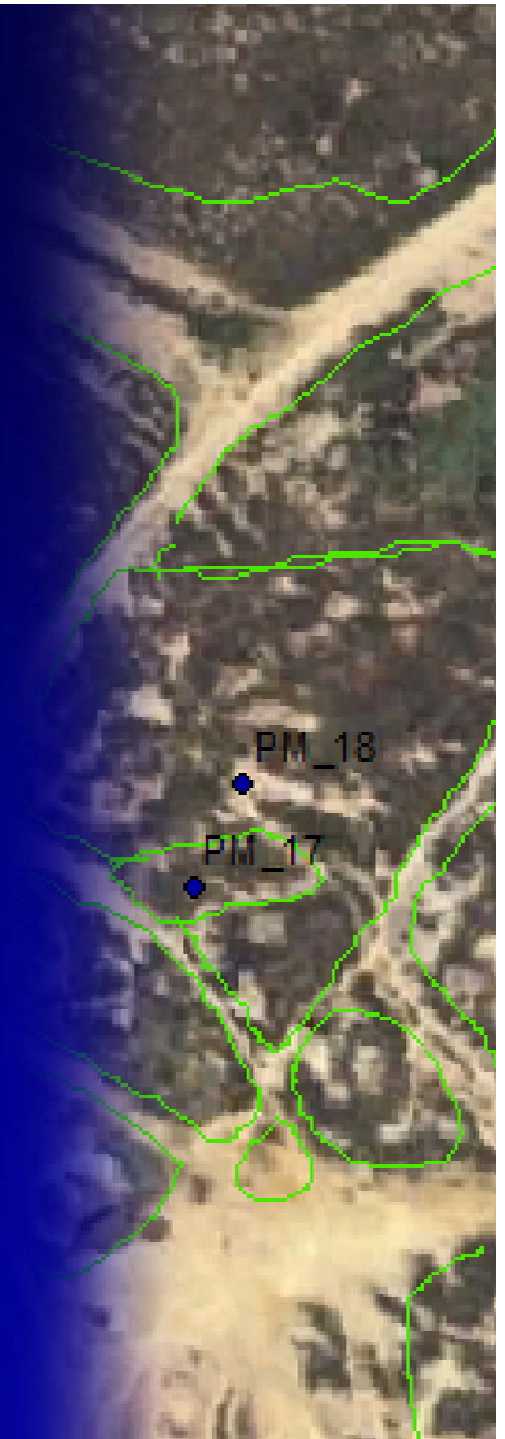
Outcomes

- Simulation of workplace practice
- IT and report writing skills
- Teamwork
- Subject specific knowledge
- Student engagement in data collection process