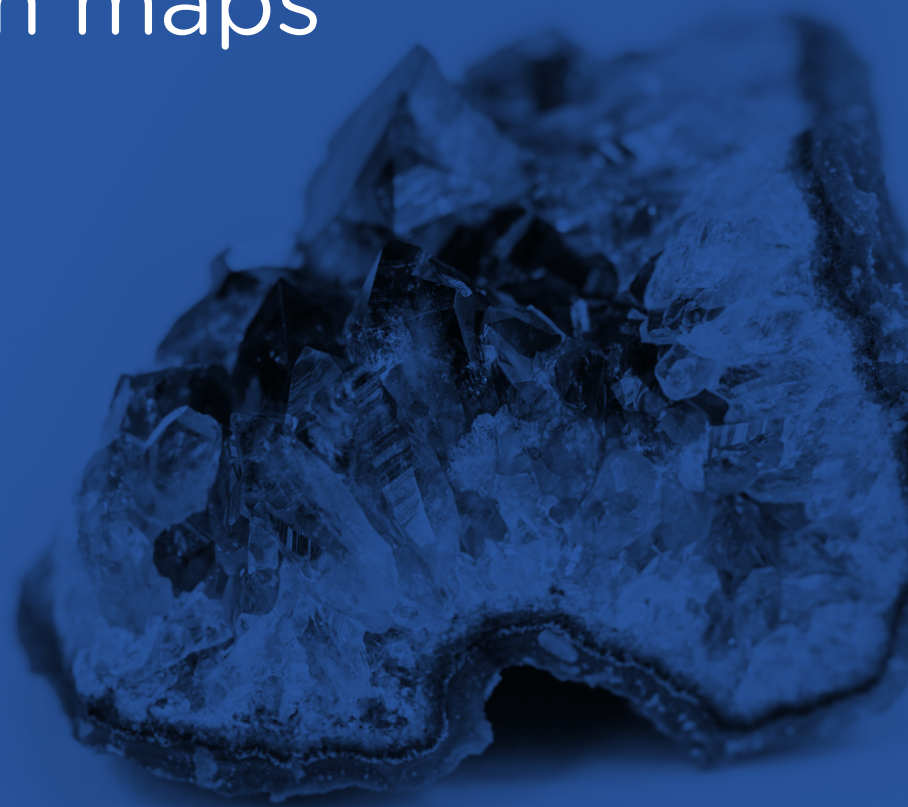


WJEC Eduqas GCE A LEVEL in GEOLOGY

SP13 Identification of the
location of geological
features in the field
using six figure grid
references on maps



Title: SP13 Identification of the location of geological features in the field using six figure grid references on maps

Specification reference: F2.3.b

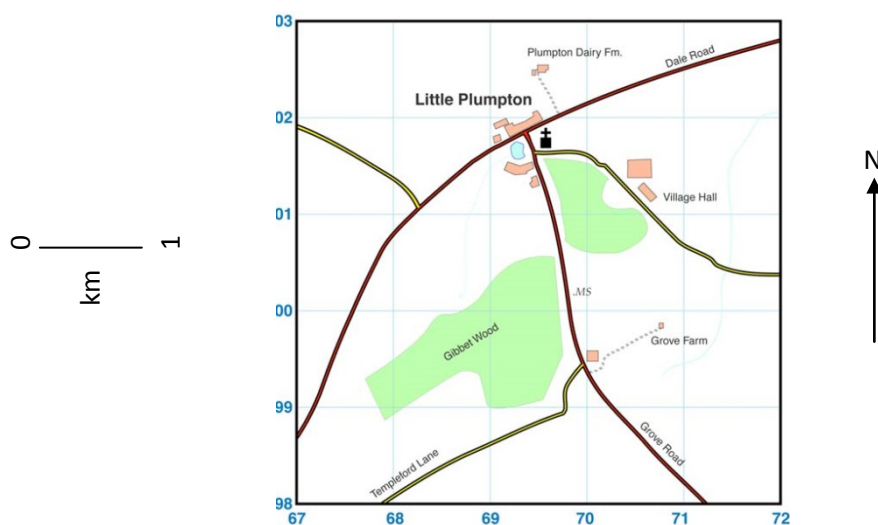
Aim: To identify the location of geological features in the field using six figure grid references on maps.

Apparatus:

Geological features located on a map showing grid squares.

Method:

1. Check that the map has grid lines running up and down the map. (These lines are Eastings and increase in number the further to the right or East, assuming that North is orientated up the map.)
2. Check that the map has grid lines running across the map. (These lines are Northings and increase in number the further up the map, or North, assuming that North is orientated up the map.)
3. Read the numbers along the bottom of the map first (the Eastings) and the numbers up the side of the map second (the Northings).
4. Locate a geological feature in a grid square. Give a four figure grid reference for that square as a whole, with the Easting and Northing values defining the bottom left hand corner of the square e.g. A geological feature adjacent to the Mile Stone MS in the map below is within grid square 6900.
5. To locate a more precise location of a geological feature within a grid square, a six-figure grid reference is used e.g. the geological feature adjacent to the Mile Stone MS in the map below is at 698002, $\frac{8}{10}$ of the way across and $\frac{2}{10}$ of the way up grid square 6900.
6. The six-figure grid reference for geological features should be recorded in a field notebook and on any field sketches of the features.
- 7.



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Analysis:

None required.

Teacher/Technician notes:

Practical techniques which may be assessed:

- A. Location of geological features in the field using traditional navigation and basic field survey skills without the use of GPS.