

GEOLOGY FIELDWORK

FIELDWORK TASK

SHAPFELL ROAD CUTTING (GR 555055)

Activity 1

- Make a brief assessment of any field hazards and list the safety procedures you will now follow.

Activity 2

- Sketch at least two folds and label as many features as you can.
 - measure the angle of the limbs
 - measure bed thicknesses
 - measure the angle and spacing of jointsShow the above on your sketch.
- For at least two beds use a compass-clinometer to measure and record the dip and strike.
- Name and describe in detail the characteristics of the two main rock types.
- Use an annotated sketch or sketches to compare how these two rocks have reacted to the folding.

Activity 3

- For each fold record the angle of each limb and use this to name the type of fold.
- Take measurements that will allow you to calculate the amount of shortening due to compression.
- Calculate the shortening due to compression.
- At the right of the exposure are some way-up features. They are sole-marks. Draw an annotated sketch or sketches and take relevant measurements of these features.
- What does this tell you about the age relative age of the beds and the way-up of the folds?

