## GEOLOGY FIELDWORK TASK

## ARNSIDE COASTGUARD STATION

## Activity 1

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

## Activity 2

- Sketch the fault and label as many features as you can.
- What is the angle of the fault?
- Estimate the throw of the fault.
- What type of fault is it?
- Find a mineral vein and describe how it relates to the fault and to any joints.
- Describe and sketch any features found at the fault plane.

#### Activity 3

- Sketch a fold and label as many features as you can.
  - measure the angle of the limbs
  - measure bed thicknesses
  - Show the above on your sketch.
- Identify 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, indicate measurements you have taken on the sketch or sketches.

# ARNSIDE COASTGUARD STATION Markscheme

	showing main features; fault plane, upthrow, downthrow etc. partly accurate all accurate	2
Angle of fault Throw of fault Type of fault		1 1 1
Fold sketch	showing main features, antiform, synform, crest, limbs	2
Dip of limbs Thickness of		1 1
Relates mineral vein to fault and joints		1
Describes br 1.	eccia and slickensides reccia and slickensides partly detailed	2 2
1. no 2. bri	ck descriptions; Limestone Shale description ef description, not named ood description and correctly named	2 2
1 b	of competent and incompetent beds orief comparison etailed comparison	2

Total 20