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SITE: THE ERCALL.
FIELD EXERCISE: Investigating the evidence for rock formation and deformation from the rock record.

AUDIENCE: KEYSTAGE 4 SCIENCE.

LINKS TO KEY STAGE 4 DOUBLE AWARD SCIENCE:

Investigative skills:

2a) use scientific knowledge and understanding to turn ideas into a form that can be investigated and to plan an appropriate strategy;
2c) carry out preliminary work and make predictions, where appropriate.
2m) use observations, measurements or other data to draw conclusions;
2q) consider whether the evidence collected is sufficient to support any conclusions or interpretations made.
2s) suggest further investigations.

Changing Materials:

2r) how the sequence of, and evidence for, rock formation and deformation is obtained from the rock record.

This exercise introduces pupils to some aspects of Earth Science investigation in the field, including:

- plotting data
- devising experiments using field data
- making field observations
- comparing observed features to an ideal model
- observing the partial nature of geological evidence and some of the reasons for it