

Friday, 22 May 2026

DofE Expedition Training

Mr. Hill

Outline of Sessions

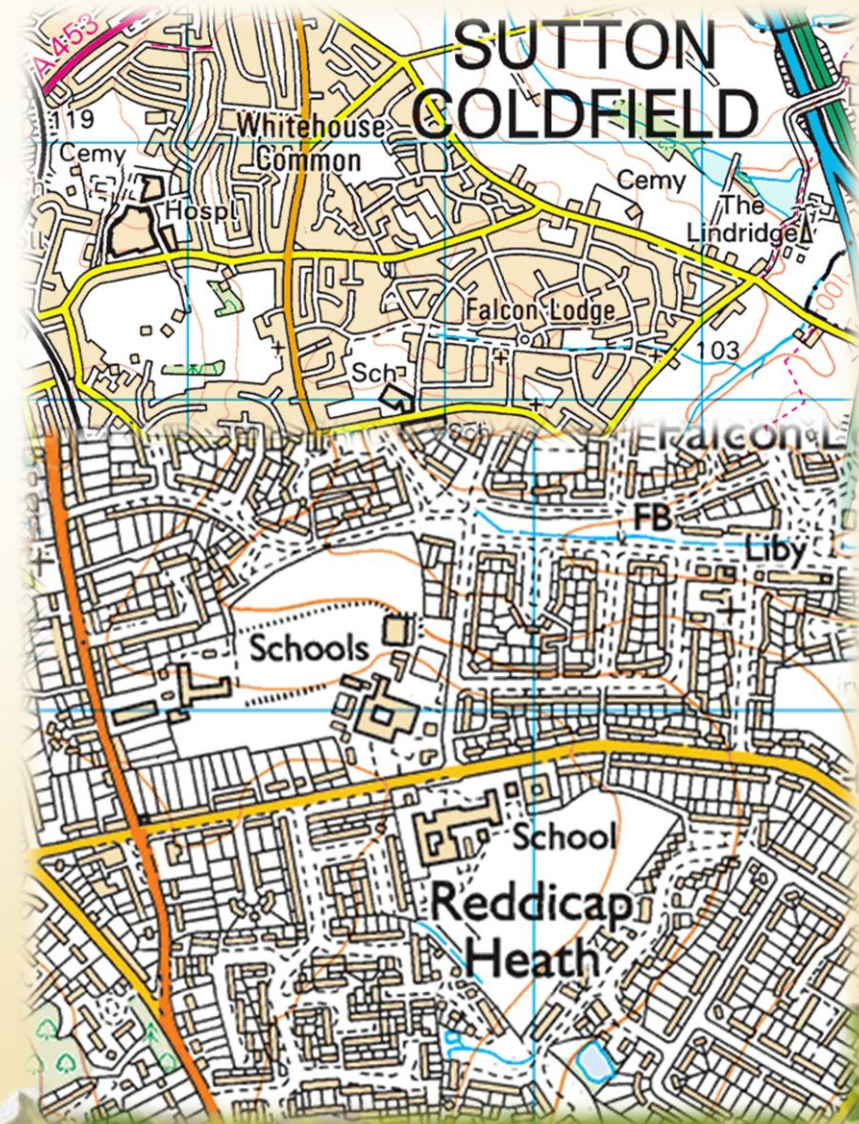
1. The 20 Conditions and Expedition Purpose
2. **Maps and Symbols**
3. Map Reading & Navigation (inc. Route Card Completion)
4. Compass Use and Walking Techniques
5. Safety Kit and Procedures
6. Food Selection and Stove Safety
7. Kit Selection and Bag Packing
8. Camp Craft and the Countryside Code

Session 2

Maps and Symbols

Map Scales

- All maps have a **relative ground scale**
- Those with **larger numbers (1:500,000)** show **less detail and larger areas**
- Those with **smaller numbers (1:25,000)** show **greater detail and smaller areas**
- The numbers relate to the scale in any unit
 - So 1:25k means 1 metre on the map is equal to 25,000 metres on the ground
- Larger scale maps are used for operating over larger distances, with smaller scale maps being used for short distances.



Map Symbols – Rights of Way

- Rights of way are symbols that tell you where you can/can't walk
- We prefer to use these to plan our expedition route!
- Q: What do you think these symbols mean?



National Trail



Public Access Route



Footpath



Bridleway



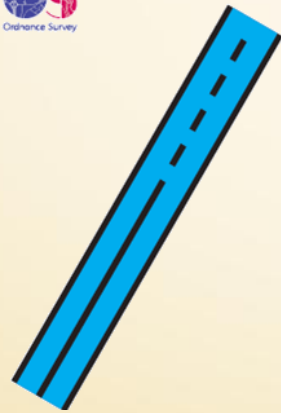
Byway open to all traffic (Bikes & 4x4s!)



Restricted Byway

Map Symbols – Transport

- Roads and rails allow for motorised traffic to follow them
- We tend to avoid these, as many countryside roads don't have pavements and so are dangerous
- Q: What do you think these symbols mean?



Motorway



Main Road



Railway
Crossing
a Minor
Road



Railway
Station

Map Symbols – Natural Features

- Features are obvious things in the natural environment that we can see
- We use these to help us know where we are, so we can navigate whilst walking
- Q: What do you think these symbols mean?



Contour
Lines



Spoil
Heap



Craggs /
Cliff



Scree
(slippy small
stones on a
slope)



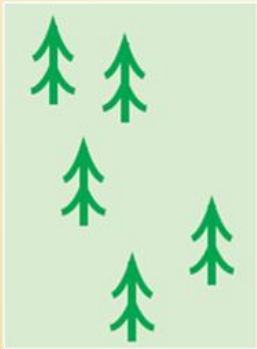
Access
Land



Shingle
(beaches)

Map Symbols – Vegetation

- Vegetation is the types of trees, bushes and grasses that we should be seeing as we walk
- We use these to help us know where we are, so we can navigate whilst walking
- Q: What do you think these symbols mean?



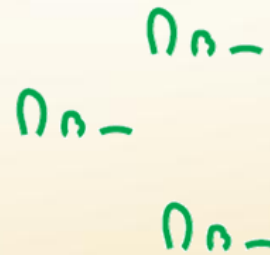
Coniferous Forest



Deciduous Forest



Orchard



Scrub



Bracken or Rough Grass

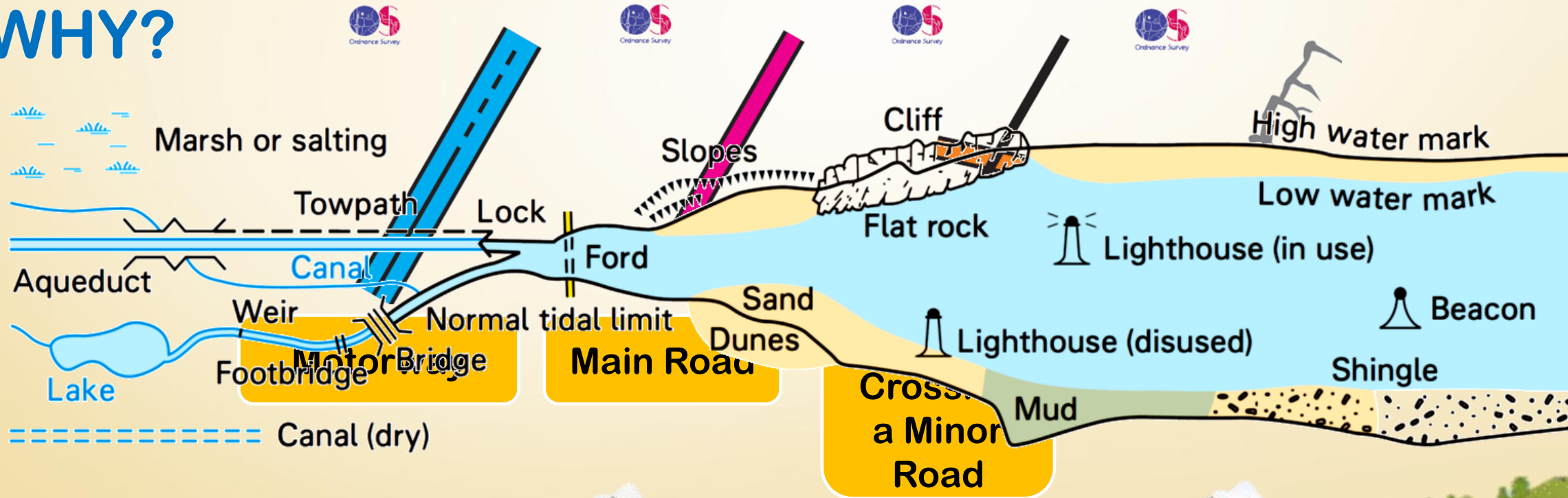


Marsh (AVOID!)

TASK: THINK

- From all of the features discussed so far, which might pose a hazard to a walking group?

- WHY?**



Map Symbols – Man Made Features

- Man made features are constructions / excavations that we can see
- We use these to help us know where we are, so we can navigate whilst walking
- Q: What do you think these symbols mean?



Power
Lines

Radio
Mast

Wind
Turbine

Churches
No tower / tower /
spire

Youth
Hostel

Bus
Station

Map Symbols – Information

- Blue symbols on maps give information on facilities, services and places of interest.
- We use these to help us plan activities along our route
- Q: What do you think these symbols mean?



Camping
Ground

Viewpoint

Car Park

Information
Point

Public Pay
Phone

Picnic
Bench

Map Symbols – Useful Constructions

- Some objects don't use a symbol at all, but an abbreviation of their name instead
- We use these to help us plan activities along our route
- Q: What do you think these symbols mean?



Sch

School



Pol
Sta

Police
Station



Mon

Monument



FB

Foot
Bridge



PO

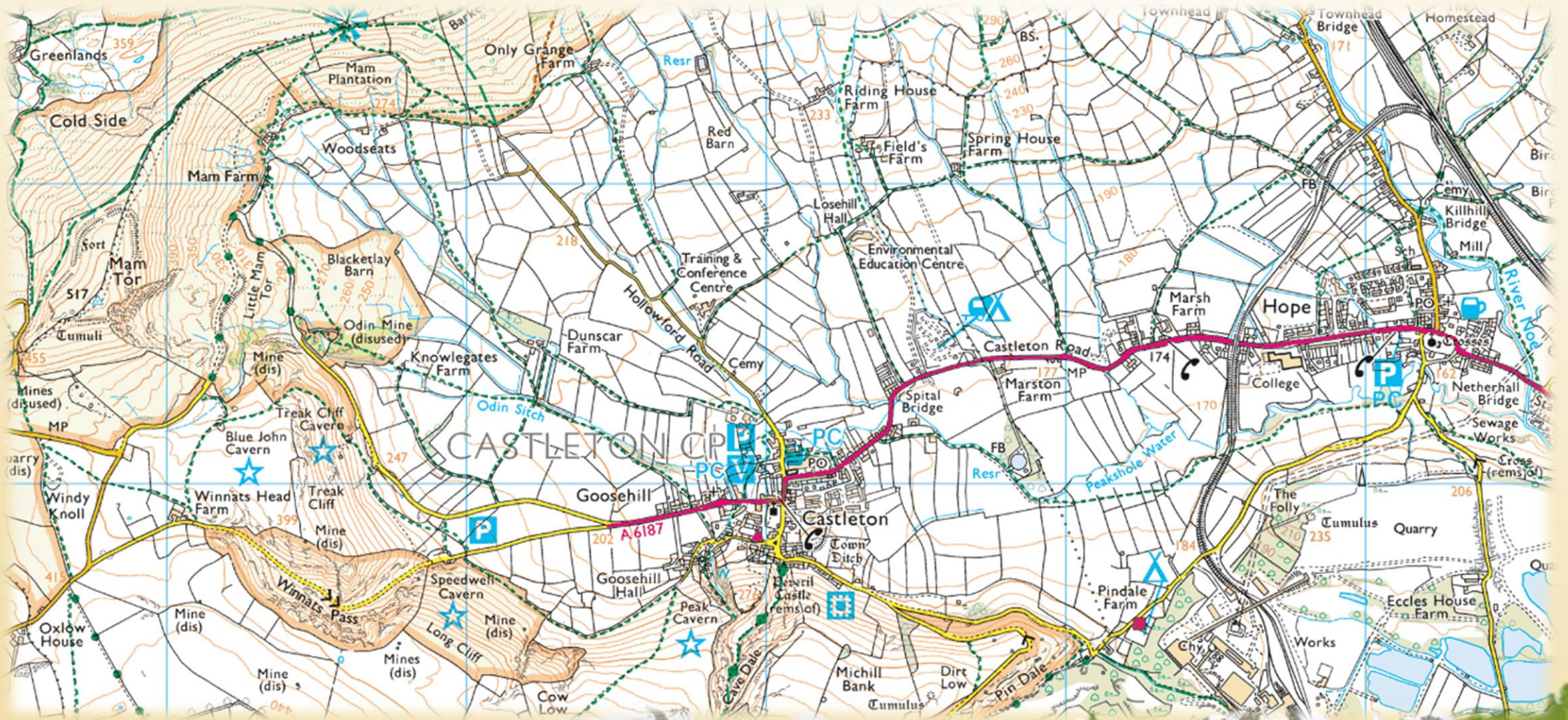
Post
Office



◦ W
◦ Spr

Well /
Spring

TASK: Describe What Is In Castleton



TASK: Identify The Best Way From A to B

