

“Access Anglesey”: Delivering and Evaluating an Accessible and Inclusive Field Class

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Access Anglesey Field Class

2nd – 9th September, 2018

Field trip aims:

- Explore which methods assist inclusion and accessibility in the field
- Develop and share good practice

Who was it for:

- Any UG student studying a Geology (or related) degree at a UK university, including those for whom fieldwork is a challenge due to mental health, learning, sensory or mobility conditions.
- Faculty from other institutions / organisations

Funded by HEFCE/Office for Students: Embedding and sustaining inclusive STEM practices

Island of Anglesey



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Cemlyn Bay



Parys Mountain



Rhoscolyn



Lligwy Bay



Red Wharf Bay



Llanddwyn Island



LlanfairPG



Participants



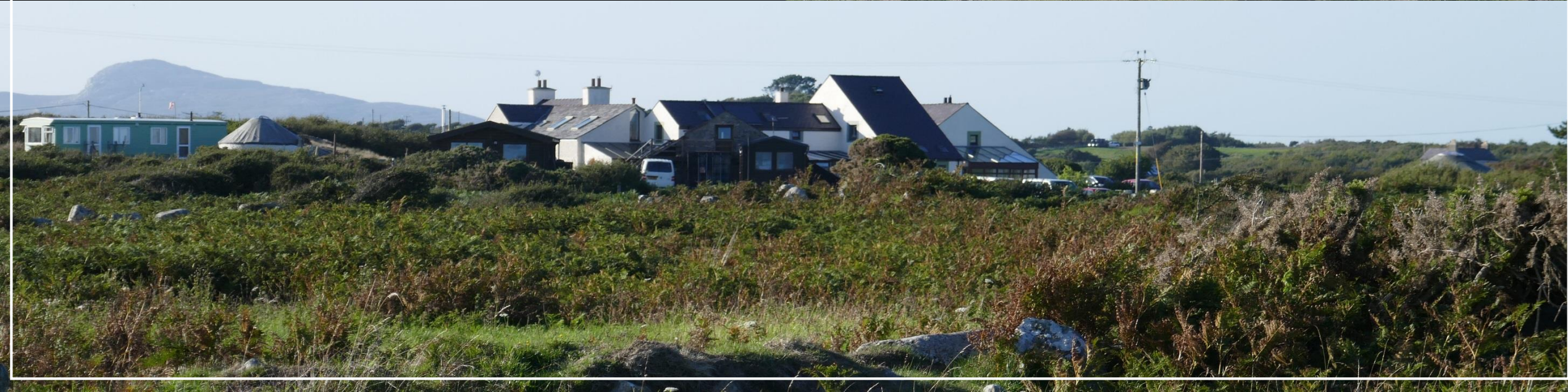
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- Six students who identify as having a disability
- One carer/companion
- Seven students who did not identify as having a disability
- Three faculty from other institutions
- Eight staff

Set Up

- Hostel accommodation
- Quiet room
- Several vans inc 4x4 vehicle
- One or half days at each locality
- Evening work for context



Schedules and Instructions



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- Detailed plan for each day
- Set of instructions for each location (that can actually be used in the field!)

Sun 2 nd	Mon 3 rd	Tues 4 th	Wed 5 th	Thurs 6 th	Fri 7 th	Sat 8 th	Sun 9 th
<input checked="" type="checkbox"/> Take levothyroxine <input checked="" type="checkbox"/> Brush teeth <input checked="" type="checkbox"/> Shower <input checked="" type="checkbox"/> Breakfast <input checked="" type="checkbox"/> Pack food + drink for journey <input checked="" type="checkbox"/> Check train tickets	<input checked="" type="checkbox"/> Take levothyroxine <input checked="" type="checkbox"/> Brush teeth <input checked="" type="checkbox"/> Finish prep for day <input checked="" type="checkbox"/> Take sert., colo. Etc. <input checked="" type="checkbox"/> Breakfast <input checked="" type="checkbox"/> Collect pack lunch <input checked="" type="checkbox"/> Fill up flask + bottle <input checked="" type="checkbox"/> Pack food and drink	<input checked="" type="checkbox"/> Take levothyroxine <input checked="" type="checkbox"/> Brush teeth <input checked="" type="checkbox"/> Finish prep for day <input checked="" type="checkbox"/> Take sert., colo. Etc. <input checked="" type="checkbox"/> Breakfast <input checked="" type="checkbox"/> Collect pack lunch <input checked="" type="checkbox"/> Fill up flask + bottle <input checked="" type="checkbox"/> Pack food and drink	<input type="checkbox"/> Take levothyroxine <input type="checkbox"/> Brush teeth <input type="checkbox"/> Finish prep for day <input type="checkbox"/> Take sert., colo. Etc. <input type="checkbox"/> Breakfast <input type="checkbox"/> Collect pack lunch <input type="checkbox"/> Fill up flask + bottle <input type="checkbox"/> Pack food and drink	<input type="checkbox"/> Take levothyroxine <input type="checkbox"/> Brush teeth <input type="checkbox"/> Finish prep for day <input type="checkbox"/> Take sert., colo. Etc. <input type="checkbox"/> Breakfast <input type="checkbox"/> Collect pack lunch <input type="checkbox"/> Fill up flask + bottle <input type="checkbox"/> Pack food and drink	<input type="checkbox"/> Take levothyroxine <input type="checkbox"/> Brush teeth <input type="checkbox"/> Finish prep for day <input type="checkbox"/> Take sert., colo. Etc. <input type="checkbox"/> Breakfast <input type="checkbox"/> Collect pack lunch <input type="checkbox"/> Fill up flask + bottle <input type="checkbox"/> Pack food and drink	<input type="checkbox"/> Take levothyroxine <input type="checkbox"/> Brush teeth <input type="checkbox"/> Finish prep for day <input type="checkbox"/> Take sert., colo. Etc. <input type="checkbox"/> Breakfast <input type="checkbox"/> Collect pack lunch <input type="checkbox"/> Fill up flask + bottle <input type="checkbox"/> Pack food and drink	<input type="checkbox"/> Take levothyroxine <input type="checkbox"/> Brush teeth <input type="checkbox"/> Shower <input type="checkbox"/> Finish packing <input type="checkbox"/> Take sert., colo. Etc. <input type="checkbox"/> Breakfast <input type="checkbox"/> Collect pack lunch <input type="checkbox"/> Fill up water bottle <input type="checkbox"/> Get ready to leave
Mum driving me to Oxford station. Leave by 10am at latest?	Leave "9am PARYS MOUNTAIN	Leave "9am RED WHARF BAY YARDIA SCIENCE	Leave "9am	Leave "9am	Leave "9am	Leave "9am	<input type="checkbox"/> Dropped off at Holyhead Rail Station
10:37 (Oxford) → 11:51 (Birming. N. St) → 13:07 (Crewe)							10:55 (Holyhead) → 12:53 (Crewe)
13:27 (Crewe) → 13:55 (Holyhead)	1 hr lunch break MRS MOUNTAIN Water samples	1 hr lunch break BLUESCHISTS	1 hr lunch break	1 hr lunch break	1 hr lunch break	1 hr lunch break	13:19 (Crewe) → 14:15 (Birming. N. St) → 15:45 (Oxford)
<input checked="" type="checkbox"/> Pick up from Holyhead Railway Station @ 15:55							<input type="checkbox"/> Buy ticket from Oxford to Didcot
<input checked="" type="checkbox"/> Unpack / free time "6pm dinner Introduction Reading Consent forms Survey	Get back "4-5pm <input type="checkbox"/> Shower <input type="checkbox"/> Wash out flask <input type="checkbox"/> Re-pack bag "6pm dinner Use stuff do back/presentation in P.M.	Get back "4-5pm Re before dinner <input type="checkbox"/> Shower <input type="checkbox"/> Wash out flask <input type="checkbox"/> Re-pack bag "6pm dinner	Get back "4-5pm <input type="checkbox"/> Shower <input type="checkbox"/> Wash out flask <input type="checkbox"/> Re-pack bag "6pm dinner	Get back "4-5pm <input type="checkbox"/> Shower <input type="checkbox"/> Wash out flask <input type="checkbox"/> Re-pack bag "6pm dinner	Get back "4-5pm <input type="checkbox"/> Shower <input type="checkbox"/> Wash out flask <input type="checkbox"/> Re-pack bag "6pm dinner	Get back "4-5pm <input type="checkbox"/> Shower <input type="checkbox"/> Wash out flask <input type="checkbox"/> Re-pack bag "6pm dinner	<input type="checkbox"/> (Oxford) → <input type="checkbox"/> (Didcot) <input type="checkbox"/> Pick up from Didcot by mum or Peter
<input checked="" type="checkbox"/> Take melatonin	<input checked="" type="checkbox"/> Take melatonin	<input type="checkbox"/> Take melatonin	<input type="checkbox"/> Take melatonin	<input type="checkbox"/> Take melatonin	<input type="checkbox"/> Take melatonin	<input type="checkbox"/> Take melatonin	<input type="checkbox"/> Unpack <input type="checkbox"/> Sort laundry to do <input type="checkbox"/> Start re-packing for Croatia
<input checked="" type="checkbox"/> Brush teeth <input checked="" type="checkbox"/> Bed	<input checked="" type="checkbox"/> Brush teeth <input checked="" type="checkbox"/> Bed	<input type="checkbox"/> Brush teeth <input type="checkbox"/> Bed	<input type="checkbox"/> Brush teeth <input type="checkbox"/> Bed	<input type="checkbox"/> Brush teeth <input type="checkbox"/> Bed	<input type="checkbox"/> Brush teeth <input type="checkbox"/> Bed	<input type="checkbox"/> Brush teeth <input type="checkbox"/> Bed	

Day 2:
Tuesday
4th September, 2018

Red Wharf Bay

Cliff and foreshore outcrops of Carboniferous limestone, sandstone and shales and a Miocene(?) aged beach deposit.

LlanfairPG

In the woods, beneath the Marquess of Anglesey's statue, are a series of Neoproterozoic blueschist outcrops.

9am: Depart (40 minute drive)

10.15am: At Red Wharf Bay

1pm: Lunch

2pm: Depart for LlanfairPG (15 minute drive)

2.30pm: At LlanfairPG

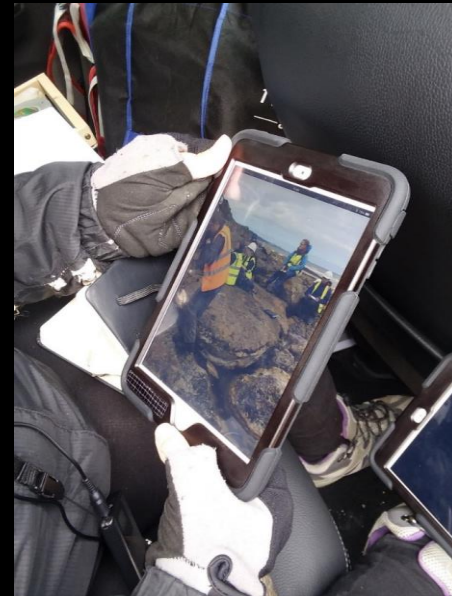
3.30pm: Leave for hostel

4.00pm: Back at hostel

*Timings are approximate, it is difficult to judge how long activities will take, and conditions (eg the weather) may change.

Communications in the field

- Tour guide system
- Walkie talkies
- Live feed system
- Skype/FaceTime



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Tablets



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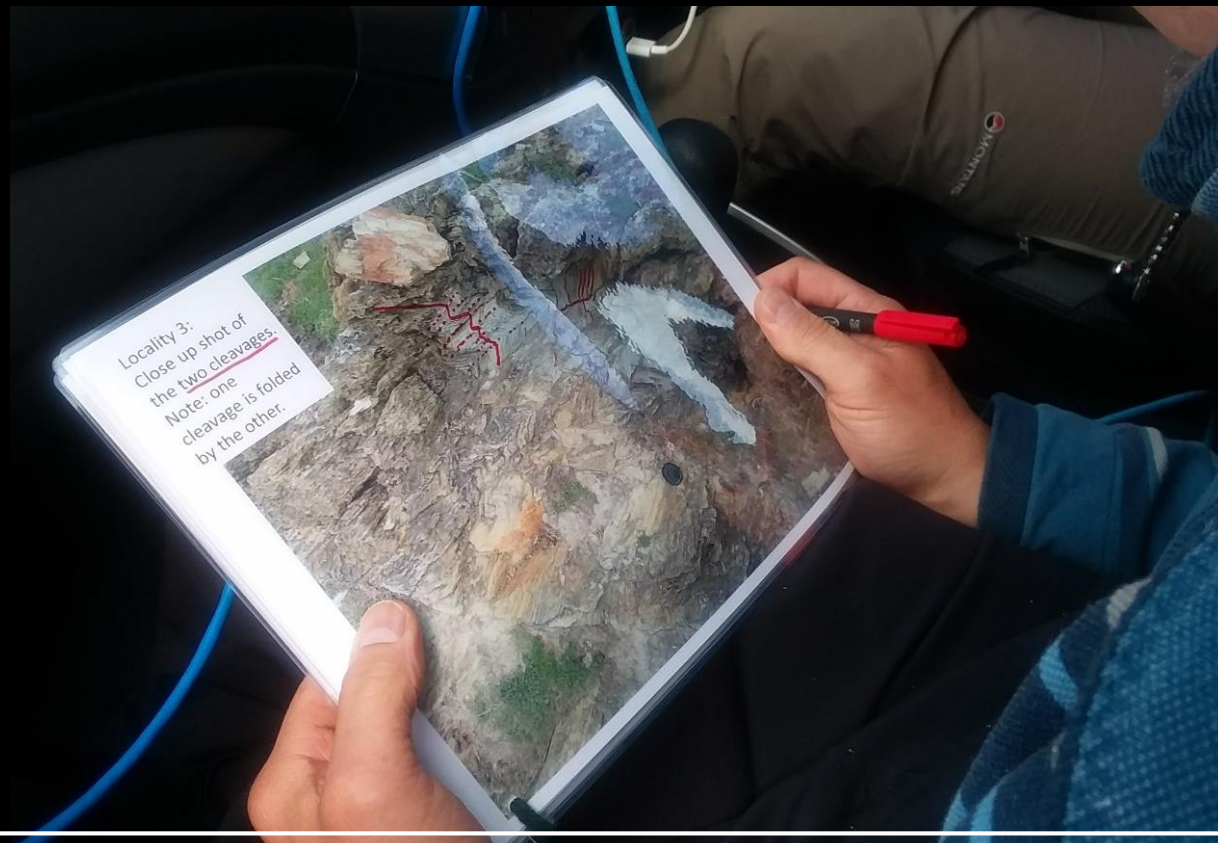
- Two ipads and two android tablets.
- Pre-loaded with apps for note-taking and geological mapping.
- Helped with lack of co-ordination.
- Gave confidence as easy to delete if it went wrong.
- Less distracting as “nothing flapping”.
- Preferred notebook and pencils.
- Something else to carry.
- Concern about breaking them.
- Need to be familiar with tablets before going in the field.
- Different apps worked for different people.

Alternative exercises in the field



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- Photographs, photomicrographs and hand specimens.
- Exercises designed for those unable to get to the outcrops.
- Included additional data unavailable to those in the field.



Mapping and Virtual Mapping



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- Screen-based virtual reality environments.
- Recreated the Rhoscolyn headland, Anglesey.
- Alternative mapping exercise for those unable to map in the field



Feedback

- Not being rushed and no assessment meant less pressure:
 - Gave more freedom to think and come up with own ideas rather than the “right answer”
- Having a schedule that allowed participants to plan their time and control their energy levels.
- Safe environment.
- Strong group bond:
 - Particularly helped by the in-joke of “Chinchilla Radio”!



Feedback



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- “The tour guide system’s been really good ... now I don’t miss anything, because I can’t deal with being in a crowd or...getting too close, or having to sort of, back off and go somewhere to the side on my own. I can now do all those things, but I don’t miss anything”.
- “Perhaps it’s just the fact that because I’m more relaxed it’s easier for me to process and understand the instructions, rather than there being anything different about them.”



Any questions?



Thanks



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