



FSC Outdoor Classroom for Scotland Intermediate1 and 2 Programmes

FSC programmes are fixed length courses with clearly stated outcomes and links to SQA Arrangements.

Geography: Physical Environment 3 days

Keen to use real world learning to create **engaged** students?

Want to promote **teamwork** and social skills?

Interested in effectively **challenging** gifted and talented students?

Aim to make A Curriculum for Excellence fun through **memorable** experiences?

Seek **inclusive** experiences that appeal to a range of learners?

Please visit

<http://www.field-studies-council.org/outdoorclassroom/scotland/intermediate1and2geographyy.aspx>

for alternative Intermediate 1 and 2 programmes

OVERVIEW

This three day programme focuses on the ‘*Physical Environment*’ unit of the Arrangement. During the course all students will benefit from expert tuition in a beautiful highland setting, while experiencing *real* geographical situations first hand.

This programme can be tailored to either intermediate 1 or 2 by adapting the depth of content covered and expectation of student capacity, rather than in the themes/activities themselves. This allows for mixed level groups to attend the same course.

This is a short course that packs a lot of geography into a limited amount of time. Students will leave with a greater understanding of the role of fieldwork in geography, along with firsthand experience, and primary data that can be analysed further, back at school.

PROGRAMME LENGTH

3 Days (2 nights with 6 teaching sessions)

Monday-Friday, Wednesday-Sunday

Groups would normally arrive in time to be taught in the afternoon of the first day and would then be taught on that evening and for three full days subsequently. Groups depart immediately after the morning session on the day of departure.

Day 1	Day 2	Day 3
Arrive	Morning, afternoon & evening sessions	Morning session
Afternoon & evening sessions		Depart after Lunch

PROGRAMME CONTENT

Includes:

- Introduction to geographical investigation and sampling methods
- Data collection using a range of fieldwork techniques and equipment - observation, measurement and recording
- Analysis, presentation and interpretation of data

The daytime sessions are concentrated. As a balance, evening /reward activities are offered, including a choice of ropes challenge, orienteering, team building and problem solving.

ARRANGEMENT LINKS:

Unit: Physical Environment

a) Landscape types

- ◆ Upland limestone
- ◆ Rivers and their valleys

Unit: Environmental Interactions

a) Interaction 1

- ◆ Rural Land degradation

b) Interaction 2

- ◆ River basin management

Gathering Techniques

- Extracting information from OS and base maps
- Field sketching and annotation
- Observing, measuring and recording (slopes, rivers, pebbles)
- Recording observed information on a map (land-use)

Processing Techniques

- Organising information – using classes/tables/matrices
- Drawing graphs (bar, line, scatter)
- Drawing maps (land-use)
- Drawing cross-sections/transects
- Annotating maps, graphs and field sketches.

TIMETABLE

DAY	MORNING	AFTERNOON	EVENING
1	<p>Arrival (approx. 12 - 1pm)</p> <p>Welcome and outline the challenges ahead</p> <p>Tour of centre Settle into rooms Allocate kit (i.e. waterproofs)</p> <p>Introduction to Fieldwork Introductory discussion to explore:</p> <ul style="list-style-type: none"> • The importance of fieldwork in geography • Geographical sampling methods and techniques • Aims of the three day course 	<p>Introducing Strathardle Students will undertake a field sketching exercise from a high vantage point over the valley of Strathardle to:</p> <ul style="list-style-type: none"> • Help orientate themselves in a Highland river valley • Practice and discuss the need for and process of field sketching • Gain further understanding of the need for a range of information to identify the impacts of human and physical landscape processes 	<p>Reward Session: Orienteering/ropes challenge options Students will work in pairs to undertake either a ropes course or an orienteering exercise to:</p> <ul style="list-style-type: none"> • Improve verbal communication skills
2	<p>Upland River study Students undertake river investigation to:</p> <ul style="list-style-type: none"> • Learn more about fieldwork techniques used for river/valley studies • Measure width, depth and velocity at various river sites • Observe a range of river landforms and consider the processes which have formed them • Observe and record land use and identify potential conflicts and management strategies/agencies involved 	<p>Follow up session Students will use data collected in the previous session to:</p> <ul style="list-style-type: none"> • Calculate CSA and velocity • Construct CSA graphs • Review of field and analysis techniques and their limitations • Reach conclusions on how the river is changing with distance downstream • Reach conclusions on the issues affecting sustainable management of river valleys, and the stakeholders involved 	<p>Reward Session: Egg Challenge! Team building challenge where students design a contraption to protect a raw egg from certain destruction. Challenge aims to</p> <ul style="list-style-type: none"> • Enhance learning about an effective design process • Improve team working and communication skills
3	<p>Glaciated upland Students will undertake a field mapping and pebble analysis exercise to:</p> <ul style="list-style-type: none"> • Practice and discuss the need for and process of field mapping and sampling • Use the information to identify the impacts of human and physical landscape processes on local landforms 	<p>Lunch and Depart</p>	

Please note: to ensure safe and quality learning experiences for students the timetable may alter depending on weather conditions and local factors at centres.

FSC KINDROGAN

Located in rural Perthshire, at the edge of the Cairngorms National Park FSC Kindrogan is 11 miles from Pitlochry's mainline train station and close to the A9. The Centre itself is set in wooded grounds on the banks of the River Ardle and lies within easy reach of some of the most inspiring landforms in the Scottish Highlands and a rich range of wildlife habitats.



KD

Kindrogan

Tel: 01250 870150

TO BOOK THIS PROGRAMME, SIMPLY:

1. Choose the time of the year you would like to attend
2. Check availability online or contact FSC Kindrogan

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The FSC prides itself on being flexible. If you can't find a programme to meet your exact requirements a course specifically tailored to meet your needs can be developed. To discuss this, contact the centre of your choice. Fees will depend on what time of year you would like to visit and your length of stay but will be more expensive than FSC programmes at peak periods.