

Higher Geography *Physical Environments, 3days*



This three day course is designed to meet the needs of the 'Physical Environments' unit of the Higher geography Arrangements and will cover many of the fieldwork techniques that students have to master for their examination.

Students will leave with a greater understanding of practical fieldwork and its role in 'bringing alive' their geographical theory, in the real world. They will bring back to school primary data which can be analysed further.

FSC

BRINGING
ENVIRONMENTAL
UNDERSTANDING TO ALL

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

Please visit

<http://www.field-studies-council.org/outdoorclassroom/higher>

for alternative Higher courses

Supported by



**Geographical
Association**

COURSE LENGTH

3 Days (2 nights with 6 teaching sessions)

Start days: Monday, Wednesday or Friday

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 one full day subsequently. Groups depart immediately after the morning session on the day of departure.

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

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 • Geographical sampling methods- including random, systematic and stratified sampling • Aims of the three day course 	<p>Ecosystems Investigation Students undertake an investigation into two ecosystems, grassland and forest to:</p> <ul style="list-style-type: none"> • Review features of ecosystems • Introduce fieldwork sampling techniques and equipment including frame and point quadrats, and plotless sampling • Compare and contrast the two grassland and forest ecosystems 	<p>Follow up session Using the data collected in the previous sessions students will:</p> <ul style="list-style-type: none"> • Collate and graphically analyse the groups results • Discuss methodologies and their limitations
2	<p>Highland Fluvial systems study Students are introduced to fluvial systems and then undertake a river investigation to:</p> <ul style="list-style-type: none"> • Test the classic river model • Collect width, depth, bedload, and velocity data at river site • Observe a range of river landforms 	<p>Follow up session Students will use data collected in the previous session to:</p> <ul style="list-style-type: none"> • Calculate Cross Sectional Area, velocity, construction. • Complete land-use maps and discuss changes that may effect the fluvial system 	<p>Follow up session 2 Students will use data collected and the statistical analysis in the previous two session to:</p> <ul style="list-style-type: none"> • Calculate velocity using flowmeter and orange, and compare techniques • Discuss methodologies and their limitations
3	<p>Landscape evolution and fieldsketching Students will walk to the summit of Kindrogan hill/around valley floor to gain an overview of Strathardle to:</p> <ul style="list-style-type: none"> • Identify factors effecting landscape evolution – including structure, rock type, geology, geomorphological process, climate, sea levels, drainage patterns, soils and human factors • Develop fieldsketching techniques 	<p>Lunch and Depart</p>	<p>High Quality teaching The teacher delivering the content plays a vital role in ensuring successful learning outcomes are achieved.</p> <p>This is why every FSC Centre has taken great care in developing a qualified team of highly trained and CRB checked field teachers working full time, all year round.</p> <p>Not only are they experts, they are gifted teachers with a real passion for the subject being taught. FSC field teachers are the reason why many schools return year after year.</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.

COURSE CONTENT

Includes:

- Introduction to the geographical approach and sampling techniques
- Data collection – observation, measurement and recording - using a range of maps and field measurement and recording techniques
- Data analysis - presentation of data (creating maps and diagrams) and its interpretation

ARRANGEMENT LINKS

Unit: Physical Environments

b) Hydrosphere

1. Hydrological cycle
2. Fluvial Landforms and landscapes

c) Lithosphere

1. The development of regional landscapes
2. The influence of structure, rock type, erosion and deposition upon relief forms and patterns on the regional scale

d) Biosphere

2. Vegetation- the evolution of vegetation communities as ecosystems to climax stage



External Recognition of Quality

All our centres have been awarded the Quality Badge by The Council for Learning Outside the Classroom. The badge is awarded to organisations that have demonstrated that they consistently deliver high quality teaching and learning experiences and manage risk effectively. This means that you will have to complete less paperwork when visiting our centres.

Protecting fieldwork opportunities for everybody

Growing pressures on outdoor learning has led the FSC to take on an important role; championing the rights and opportunities for people of all ages to experience the environment at first hand.

The FSC has led in campaigns to reverse the continuing decline in fieldwork within secondary schools and to build opportunities for out-of-classroom learning.

As a registered charity, the FSC receives no statutory funding. It relies solely on fees charged for courses and membership. Therefore, by visiting an FSC Centre not only are you receiving a high quality educational experience for your students, you are also helping to protect fieldwork opportunities for everybody.

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.



TO BOOK THIS COURSE, 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; the course content can be tailored to meet your needs. Alternatively, we can work with you to create a fully bespoke course to meet your exact requirements.

FSC offers a number of courses covering [geography field trips](#), [geography fieldwork](#), [Higher geography fieldwork](#), as well as [biology fieldwork](#) and [cross curricular fieldwork](#). Please visit our website for further information.