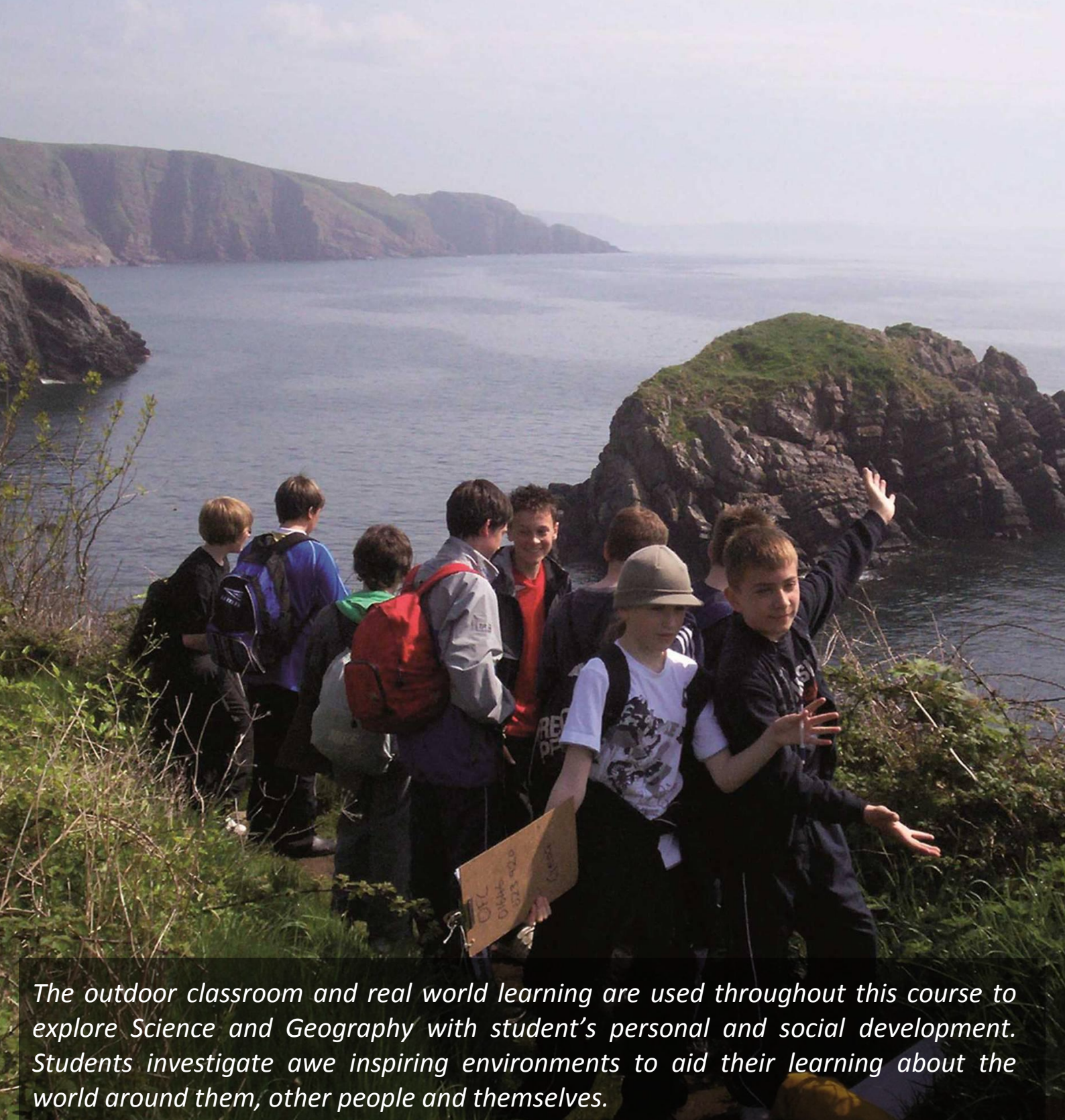


# Key Stage 3 Cross-Curricular *Science and Geography Concepts, 5days*



*The outdoor classroom and real world learning are used throughout this course to explore Science and Geography with student's personal and social development. Students investigate awe inspiring environments to aid their learning about the world around them, other people and themselves.*

**FSC**

BRINGING  
ENVIRONMENTAL  
UNDERSTANDING TO ALL

Please visit

<http://www.field-studies-council.org/outdoorclassroom/keystage3crosscurricular/>  
for alternative Key Stage 3 Cross-Curricular courses

**COURSE LENGTH**

5 Days /4 nights (12 teaching sessions)

Monday	Tuesday	Wednesday	Thursday	Friday
Arrive mid-day. Afternoon and evening session	Morning, afternoon and evening session	Morning, afternoon and evening session	Morning, afternoon and evening session	Morning session.  Depart after lunch

**COURSE CONTENT**

Includes:

- Orienteering / map reading
- Problem solving, team building and personal social development
- Conservation task
- John Muir Award Option
- Science and geography investigations fulfilling Statutory National Curriculum requirements on out of classroom learning and with cross-curricular links to mathematics and English
- Exploration of stunning diverse local landscapes

Quality Badge awarded by

**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

## COURSE TIMETABLE

DAY	MORNING	AFTERNOON	EVENING
1	<p><b>Arrival</b> (approx. 12 - 1pm)</p> <p><b>Welcome and outline the week's challenges ahead</b></p> <p>Tour of Centre Settle into rooms Allocate kit (i.e. waterproofs)</p>	<p><b>Environmental Challenges</b></p> <p>A variety of team building activities are used to introduce the 'ingredients' of a good team and how team skills are important. Pupils will take part in an orienteering activity, completing scientific challenges on and around the course to help them explore the surrounding environment. They will collect data to help them consider how the environment changes.</p>	<p><b>Ecoduction</b></p> <p>Students will explore the Centre and its sustainable and environmental practices to see how they can help minimise their impact on the environment whilst at the Centre and out in the natural environment throughout the week.</p>
2	<p><b>Ecological Exploration</b></p> <p>Pupils will survey and explore a special habitat close to the Centre: habitats maybe a rocky shore, stream, pond or moorland. Pupils will learn how to make predications, sample and collect data, present and interpret this data. Identification and classification of organisms will be covered, together with how the living things within a community influence each other and are affected by the environment.</p>		<p><b>Earth and Space</b></p> <p>Pupils will be introduced to the Global Positioning System and its usefulness in predicting the weather. Pupils will take GPS readings from around the Centre and together with wind, temperature, humidity and light readings will build a picture of the micro-climates around the Centre.</p>
3	<p><b>Urban Futures</b></p> <p>An exploration of an urban environment, focusing on the processes and consequences of change and considering the sustainability of the environment. Students undertake a field visit to an urban environment and investigate the sustainability of the urban area. They then consider the potential futures of the area and strategies needed to achieve these.</p> <p><b>Diversity</b></p> <p>An investigation into the patterns and distributions of features within a built environment and the impact these have on the local communities. Students undertake a visit to a built environment/s and map significant characteristics of the environment.</p>		<p><b>Fire and Friction (weather dependent)</b></p> <p>Pupils will try different ways of lighting a fire and use a range of materials to apply their knowledge of burning to an everyday context. They will have the opportunity to explain how different ways of lighting fire use chemistry in different ways.</p> <p><b>Animal Survey (option if wet)</b></p> <p>This evening will provide pupils with the opportunity to start to investigate the 'hidden' ecology of the landscape. Owl pellet dissection, small mammal surveys or microscope investigation will allow pupils to investigate the Centre habitat in depth.</p>
4	<p><b>Landscapes</b></p> <p>An exploration into the changing nature of a natural landscape. Students will investigate how environmental changes arise and how humans can have an impact on this change. Students undertake a visit to a local landscape e.g. limestone plateau, coast, river, moorland.</p> <p><b>Hazards</b></p> <p>An investigation into the human and physical elements of a location at risk. Students undertake a visit to investigate the relationships between the physical and human geography of an environment at risk e.g. from Flooding or Development.</p>		<p><b>Quiz and Finale Celebration</b></p> <p>A quiz and final night activities are used to:</p> <ul style="list-style-type: none"> <li>Recap and reinforce the week's learning</li> <li>Celebrate student's experiences that they have built up over the week</li> </ul>
5	<p><b>Woodland Investigations</b></p> <p>Pupils will select from the strategies they have developed and apply these to a series of mini investigations and questions. Pupils will have the opportunity to explore topics such as:</p> <ul style="list-style-type: none"> <li>How can seeds be transported</li> <li>Tree canopies and height</li> <li>Estimating age of woodlands</li> </ul>	<p><b>Depart</b></p>	<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.</p>

**EVERY CHILD MATTERS OUTCOMES WHICH THE COURSE CONTRIBUTES TO:****Be healthy:**

- *Physically healthy*

**Enjoy and achieve:**

- *Achieve personal and social development and enjoy recreation*
- *Achieve stretching national educational standards at secondary school*

**Make a positive contribution:**

- *Engage in decision-making and support the environment*
- *Develop positive relationships*
- *Develop enterprising behaviour*

**NATIONAL CURRICULUM LINKS:****Science:**

- 1.1 (a) *'Critically analyzing and evaluating evidence from observations'*  
 2.1 (b) *'Assess risk and work safety in the field'*  
 2.1 (c) *'Plan and carry out investigative activities'*  
 3.3 (d) *'All living things show variation & are interdependent, interacting with each other & their environment'*  
 3.4 (a) *'Geological activity is caused by chemical and physical processes'*  
 3.4 (c) *'Human activity and natural processes can lead to changes in the environment'*  
 4 (e) *'Experience science outside the school environment'*  
 4 (g) *'Recognise the importance of sustainability in scientific and technological developments'*

**Geography:**

- 1.1 (a) *'Understanding the physical and human characteristics of real places'*  
 1.4 (a) *'Explore the social economic, environmental and political connections between place'*  
 1.6 (a) *'Understand that physical and human dimensions of the environment are interrelated'*  
 1.6 (b) *'Explore sustainable development and its impact on environmental interaction and climate change'*  
 2.1 (d) *'Analyse and evaluate evidence, presenting findings to draw and justify conclusions'*  
 2.1 (f) *'Plan geographical enquiries, suggesting appropriate sequences of investigation'*  
 2.2 (a) *'Select and use fieldwork tools and techniques safely and effectively'*  
 2.3 (a) *'Use a map at a range of scales'*

**PE:**

- 1.1 (c) *'Responding with body and mind to the demands of an activity'*  
 1.4 (b) *'Recognise that physical activity has a great impact on physical, mental and social wellbeing'*

**Citizenship:**

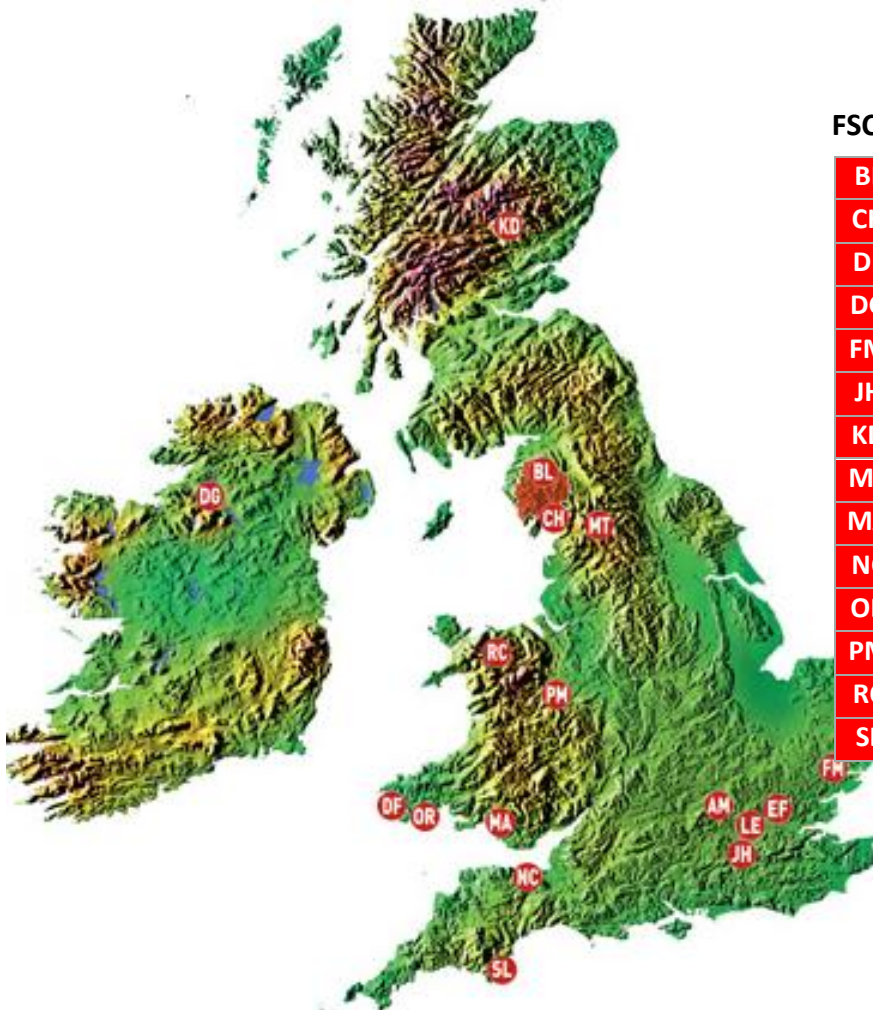
- 1.1 (a) *'Participating in different kinds of decision making'*  
 2.2 (b) *'Taking account of different viewpoints'*  
 2.3 (a) *'Explore creative approaches to taking action on problems and issues to achieve intended purposes'*  
 3 (a) *'Actions that individuals and groups can take to influence decisions affecting the environment'*

**English:**

- 1.2 (a) *'Making fresh connections between ideas, experiences texts and words'*  
 1.4 (c) *'Explore other ideas and develop their own'*  
 2.1 (d) *'Engage an audience using a range of techniques'*

**Mathematics:**

- 2.1 (a) *'Identify the mathematical aspects of a situation or problem'*  
 2.1 (d) *'Select mathematical information methods and tools to use'*  
 2.2 (k) *'Make accurate mathematical diagrams and graphs'*  
 2.3 (d) *'Look at data to find patterns and exceptions'*  
 3.3(c) *'Measures of central tendency and spread'*  
 4 (d) *'Work on problems that arise in other subjects and in contexts beyond the classroom'*

**FSC CENTRES****FSC Centres that offer this course:**

<b>BL</b>	Blencathra	Tel: 017687 79601
<b>CH</b>	Castle Head	Tel: 0845 3307364
<b>DF</b>	Dale Fort	Tel: 0845 3307365
<b>DG</b>	Derrygonnelly	Tel: 028 686 41673
<b>FM</b>	Flatford Mill	Tel: 0845 330 7368
<b>JH</b>	Juniper Hall	Tel: 0845 458 3507
<b>KD</b>	Kindrogan	Tel: 01250 870150
<b>MT</b>	Malham Tarn	Tel: 01729 830 331
<b>MA</b>	Margam	Tel: 01639 895636
<b>NC</b>	Nettlecombe	Tel: 01984 640320
<b>OR</b>	Orierton	Tel: 0845 330 7372
<b>PM</b>	Preston Montford	Tel: 0845 330 7378
<b>RC</b>	Rhyd-y-creuau	Tel: 01690 710 494
<b>SL</b>	Slapton Ley	Tel: 01548 580 466

**TO BOOK THIS COURSE, SIMPLY:**

1. Choose the time of the year you would like to attend
2. Pick the centre/centres of interest
3. [Check availability online](#) or contact head office using the details at the bottom of the page or contact the centre of your choice

*\*Please note to book this course the minimum size of your group must be 12 students and 1 member of staff*

Please visit

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

for alternative key stage 3 courses

The FSC prides itself on being flexible. The content of our recommended courses can be tailored to meet your needs. Alternatively, we can work with you to create a fully bespoke course to meet your exact requirements.

**COURSE PRICES**

The cost of this course is shown below. The fee varies depending on time of year, arrival and departure days/times and course content. 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.

5 day timetable , 2012, prices from:      Band A: £156    Band B: £177    Band C: £216    Band D: £246    Band E: £257  
 5 day timetable , 2013, prices from:      Band A: £157    Band B: £180    Band C: £219    Band D: £249    Band E: £260

Week Beginning	Band	Week Beginning	Band	Week Beginning	Band
03 September 2012	D	25 February 2013	D	19 August 2013	B
10 September 2012	D	04 March 2013	D	26 August 2013	B
17 September 2012	D	11 March 2013	D	2 September 2013	C
24 September 2012	D	18 March 2013	D	9 September 2013	D
01 October 2012	E	25 March 2013	D	16 September 2013	D
08 October 2012	E	01 April 2013	B	23 September 2013	D
15 October 2012	D	08 April 2013	B	30 September 2013	E
22 October 2012	D	15 April 2013	D	7 October 2013	E
29 October 2012	B	22 April 2013	C	14 October 2013	D
05 November 2012	D	29 April 2013	C	21 October 2013	C
12 November 2012	D	06 May 2013	C	28 October 2013	B
19 November 2012	C	13 May 2013	C	4 November 2013	D
26 November 2012	C	20 May 2013	C	11 November 2013	D
03 December 2012	A	27 May 2013	B	18 November 2013	C
10 December 2012	A	03 June 2013	D	25 November 2013	C
17 December 2012	A	10 June 2013	E	2 December 2013	A
24 December 2012	A	17 June 2013	E	9 December 2013	A
31 December 2012	A	24 June 2013	E	16 December 2013	A
07 January 2013	A	01 July 2013	E	23 December 2013	A
14 January 2013	A	08 July 2013	E	30 December 2013	A
21 January 2013	B	15 July 2013	C		
28 January 2013	C	22 July 2013	C		
04 February 2013	C	29 July 2013	A		
11 February 2013	C	5 August 2013	A		
18 February 2013	B	12 August 2013	A		

FSC courses are classed as educational by HMRC and are therefore VAT exempt; **we don't charge you VAT**. This can save you time and effort paying it and then attempting to claim it back, if you are eligible to do so.

Included within the course price:

- Expert tuition by fully trained staff
- Rigorous and proven health and safety procedures including 24 hour emergency cover
- Access to risk assessments
- Full board (residential visits)
- Specialist equipment and exclusive access to specially developed resources
- Free places for visiting staff in a ratio of 1 to 12 students
- E-mail support before and after the course (on request)
- Personal and travel insurance

*Please remember travel to the field centre and to fieldwork sites is not included in the course fee.*

High Quality teaching

The teacher delivering the content plays a vital role in ensuring successful learning outcomes are achieved.

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.

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.