

# Residential Course Programme

<b>School Name:</b>	South England Exchange		
<b>Year Group:</b>	A Level	<b>Booking Reference:</b>	JH-03216
<b>Visit Dates:</b>	30 <sup>th</sup> – 31 <sup>st</sup> October 2023		
<b>FSC Internal Only</b>	Course Programme confirmed by		
<b>Name:</b>	Megan Crisell	<b>Date</b>	26 <sup>th</sup> July 2023

## Course Programme

*Exact timings depend on activities, mealtimes, students, and weather.*

Day 1	Course programme outline
<b>Arrival from 12:00</b>	Check into reception. Luggage to be stored in a safe location until rooms are ready. Lunch, <b>brought from home</b> , can be eaten outside prior to start of course.
<b>13:00</b>	Meet your tutors for your welcome tour. Borrow wellies and waterproofs if required.
<b>Introduction to Ecology</b>	<ul style="list-style-type: none"> <li>• Introduction to ecology and key terms.</li> <li>• Students to carry out a mini-investigation onsite to introduce them to range of different pieces of equipment they will be using throughout the residential course.</li> <li>• Students to investigate the impact of light and shade within the grounds.</li> <li>• Students to trial different sampling techniques and evaluate each one.</li> <li>• Quadrat game: students to test different types of quadrats and evaluate their various uses.</li> <li>• Intro to statistics: which test to use when.</li> <li>• Students to collect, mark and release pond snails in order to calculate Lincoln index. Snails to be recaptured later in the course.</li> </ul>
<b>Break &amp; Bedrooms</b>	Cake & drinks. Time to move into bedrooms.
<b>Evening Meal</b>	One hour break. Dinner sittings of 30 minutes allocated between 17:45 & 19:00.
<b>Evening session</b>	• Mammal trapping within the grounds of Juniper Hall: students to set humane mammal traps within the grounds of Juniper Hall. (if weather permits)
<b>20:00</b>	End of taught course. Free time for students. Students to be supervised by school staff.
Final Day 2	Course programme outline
<b>Before Breakfast</b>	Stripping beds of bedlinen. Pack bags.
<b>Breakfast</b>	Allocated sittings of 30 minutes between 07:45 & 09:00. Make packed lunches.
<b>After Breakfast</b>	Move luggage out of bedrooms to secure storage area. Free time until morning activity starts.
<b>09:30</b>	Meet tutors.

<b>Pond Snails</b>	Recapture of snails and use data to calculate Lincoln index.
<b>Woodland Biodiversity</b>	<ul style="list-style-type: none"> <li>• Introduction to the course, learning objectives, woodlands, conservation, and Box Hill.</li> <li>• Walk to Lodge Hill.</li> <li>• Setting hypotheses after observing the habitats.</li> <li>• Discussion of random sampling, demonstration of methods and collection of data.</li> <li>• Collection of data from second site.</li> <li>• Simultaneous readings of light in both sites.</li> <li>• Scientific drawing of a chosen species (if not done on a previous day).</li> <li>• Students to write detailed risk assessment.</li> <li>• Return to Juniper Hall.</li> <li>• Data collation.</li> <li>• Detailed discussion of methods, including their justification and limitations.</li> <li>• Data presentation: students to draw graphs based on their own data.</li> <li>• Justification of the presentation technique.</li> <li>• Detailed data analysis plus the calculation of Simpson's index of Biodiversity.</li> <li>• Worked example of standard deviation and students T-test using students' own data.</li> <li>• Conclusions and exam questions, if time permits.</li> </ul>
<b>16:00</b>	End of course and departure.

## Further Information

**Meals:** Please remember to bring **packed lunch** for your first day. On all subsequent days packed lunch is eaten at fieldwork sites at approx. 12:30. An afternoon cake break is scheduled in each day except the last.

**Wellies and Waterproofs:** All students are encouraged to bring their own wellies and waterproofs; however, they can be borrowed free of charge from Juniper Hall.

If you are not visiting the river, then students do not need to bring wellies, however they will be required to wear shoes with a sensible grip suitable for walking on hilly uneven terrain. Please ensure students bring suitable clothing for the time of year, such as sunhats & sun cream or warm layers with hats & gloves etc.

**Transport:** If you are bringing your own transport which will be used to travel to a fieldwork site, please make sure there is space for your tutor and any equipment that may be used during the day.

**Behaviour and safety:** Teachers are expected to support with behaviour and group management during fieldwork activities and classroom sessions and to lead group management during breaks times.

**Further Customer Information:** Please see our [customer information](#) for information about risk assessments, health & safety, behaviour policies, booking terms & conditions and other FSC policies.

**Classroom equipment:** We have limited amounts of standard equipment to loan; we expect all students to arrive with their usual classroom equipment. Each student should also bring a folder, or equivalent, in which they can keep their paperwork.

**ICT:** ESRI UK have made their ArcGIS Online platform free for all schools. You can sign up, get resources and online training at <https://schools.esriuk.com/>

If students want to bring their own devices for the course they can do so if they take full responsibility for loss, theft, or damage.

[Digital Hub](#) is a multimedia resource bank of bite-size videos, worksheets, ArcGIS maps and CPD for 14-18 geography and 16-18 biology. Teacher and student subscription packages are available.