

LeAF Studio

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Principal: Mrs N Lapskas

21 September 2020

Dear Parents and Carers

Your child has the opportunity to take part in field studies at Leeson House near Swanage, on Tuesday and Wednesday 20-21st October, 2020. Students will be able visit several field sites, collect samples and analyse data using statistical tests. These are skills that are developed in the A Level Biology course. They will also be able to study the ecology of the area.

A large part of the course content can be carried out during these two days and will be more meaningful to students because they will have used a variety of sampling techniques firsthand. Your child will also be able to carry out one of the assessed practicals which form part of the final A-level examination.

A full risk assessment has been carried out and preventative measures against COVID 19 will be carried out throughout. We hope that you will support this educational opportunity.

Overleaf, please see the programme for the two days and an equipment list. The cost will be approx. £95 which covers Leeson House fees and transport for both days. Unfortunately if we cannot cover this cost then the trip will be unable to continue.

If you have any questions regarding the trip, please do not hesitate to get in touch.

If you agree to this trip, please can you sign the slip below and return to school by Friday 25th September.

Yours sincerely,

Dr Evesham

Dr EJM Evesham
Biology teacher

Student name:

I give permission for my child to attend the Biology Trip on 20th-21st October 2020 and agree to make payment via ParentPay once a place has been confirmed.

Signed: Print: Date:

Emergency Contact Name and Number:

PROGRAMME FOR FIELDTRIP



Leeson House, Field studies Centre, Langton Matravers, Swanage BH19 3EU.
Tel. 01929 422126

Tues 20th Oct:

- Meet at Streche Rd, Car park, Wareham BH20 4PG

River Piddle freshwater ecology sampling.

- Species diversity index comparison between fast- and slow-moving water.
- BMWP, Chi squared practice.
- Travel to Kimmeridge Low tide at 13.30. 0.4m.

Marine zonation ecology

- Belt transect studying density of four periwinkles.
- Compare Limpet shell shapes between Kimmeridge (sheltered shore and secondary data from Portland Bill, exposed shore).
- Data to be used for T Test.

Wed 21st Oct:

- Arrive at Leeson House

Population studies

- Mark-recapture woodlice – estimate population density.
- Bird ringing demonstration.
- Mammal traps.
- Moth trap.
- Introduction to sand dune succession at Studland Beach
- Minibus to Studland

Serial succession studies

- Transects across the dunes and heathland.
- Collection plant % data and abiotic data.
- Spearman's Rank.

EQUIPMENT LIST

- Small rucksack to place all items.
- Packed lunch and water bottle; not to be shared.
- Waterproofs.
- Sensible footwear-walking boots/trainers/strong soled wellies.
- Warm clothing (layers of clothing useful).
- Pen/paper or notebook/calculator/ruler-not to be shared.
- Face mask to be worn on minibus and when less than 1-2 metres from staff and members of the public.
- Hand gel-please ensure this is used frequently throughout the day.