

# Homework

## Field Trip Assignments

Name.....

marks

Total mark

Percentage

Grade

My strengths are:

What do you need to do next?

- 
- 
-

The following needs to be in your lab books. Each task needs to be dated and completed to an acceptable standard. You will be asked to resubmit if it is not.

**DEADLINE: FIRST** lesson back in September

Required Skills:

**1) Capture and recapture techniques.**

- Mammal trapping
- Invertebrate trapping

List equipment, method. Draw backs and advantages of methods. Explain how methods are humane.

Explain statistical analysis used and any conclusions from your data.

**2) Required Practical 10 - Freshwater: Embercoombe**

Full description of methods, sampling sites and Latin names for all species identified. Comprehensive step by step statistical analysis shown and conclusion drawn. Include maps and why various sites were chosen.

**3) Choice chambers: Embercoombe**

Full description of method, data tables and statistical analysis, step by step. Conclusion drawn and suggest further work to improve reliability of conclusion.

**4) Succession and management of an ecosystem: Braunton Burrows**

**Part 1:** Full description of different sampling methods that could have been used and reason (justification) for chosen method.

Presentation of data collected in table. Fully step by step statistical analysis shown. Conclusions drawn from data.

**Part 2:** Issues with SSSI's. Explain the pressures on this habitat, how it is manged and why. What would happen if it was not manged? Justifications for current management approach. This will require some research, plenty on the web. Why is the car park at one end? What's with the cows? And much more you can find out.

**5) Rockshore ecosystem: Helwell Bay**

Full description of method. Presentation of data collected – Latin names of all organisms. Explanation of data collected using adaptations to abiotic factors. Diagrams of shore profile with descriptions of biotic and abiotic factors etc. Critique of method, how reliable is your method? Limitations and advantages. What other possible methods could have been used? Why did we not choose them?

**6) Required Practical 12 – individual study**

Full description of two possible methods that could have been used for your investigation. Summary of advantages and disadvantages of each. Justification for your chosen method. Presentation of data, statistical analysis, justify chosen statistical method. Conclusions. Critique of method and data, recommendation for further work to improve reliability. Include maps / diagrams.

Remember to use correct terminology (and *Latin* names) throughout KEYWORDS.

Have a nice summer.

Ms Buchanan and Mr Smith ☺