



Lowestoft SFC

Biology Summer Project



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Due: First Biology lesson in September 2019

Investigating Leaves

This summer is a great opportunity for you to practice a skill which is extremely useful for Biologists .

A good Biologist is able to notice detail and record observations through drawing and annotation

To this end, the project we are setting you is to learn how to draw Biological organisms correctly and to record observations

You are to be asked to draw at least three different types of leaf.

Make sure you draw one for each A4 side of plain paper.

You will need a good sharp pencil (HB or harder), and a keen eye.

I hope you enjoy the task and I will look forward to seeing them.

Additional information you may need

BIOLOGICAL DRAWINGS

The purpose of a biological drawing is to make an accurate record of the observed features of a specimen. Simple line drawings are used to show structures, often more clearly than a photograph. The most informative drawings are not necessarily the most artistic. Sketching and shading are to be avoided as they can often obscure the scientific detail. The ability to make good drawings requires certain skills which can be acquired with practice.

All biological drawings and diagrams should:

- be of an appropriate size so that the essential features can be clearly seen
- have the correct proportions
- have clear outlines drawn with a sharp pencil (H or 2H)
- have a title that includes all the relevant information
- have the essential features labelled clearly and accurately, using straight, ruled labelling lines which do not cross each other and that are drawn in pencil
- have a scale to give some indication of the actual size of the original specimen.

In many cases it is desirable to annotate diagrams and drawings. Annotations are short, explanatory comments on the biological significance or functions of the structures, written alongside or immediately beneath the labels. Care should be taken to ensure that the comments are brief, so that drawings are not obscured by mini-essays.