

US8928 Version 3
Use a microscope to investigate biological material
Level 2 3 Credits

Prepare biological material for examination with a light microscope; use a light microscope to view biological material; and record observations of biological material in a biological drawing.

Students are expected to prepare and view slides of biological material using a light microscope. The preparation of material could include: staining, use of cavity slides, epidermal tear, cutting sections.

- Prepare biological material for examination with a light microscope to enable selected components to be shown (*one of each from*)
 - cell components or
 - organelles
 - unicellular organisms
 - leaf tear
 - transverse or longitudinal sections

- Use a light microscope to view biological material so that components in biological material or an organism can be seen (any one of)
 - cell components
 - organelles
 - unicellular organisms
 - leaf tear
 - transverse sections
 - longitudinal sections

- Record observations of biological material in a biological drawing
 - drawing records observations that are consistent with the biological material used, organising observations into a self explanatory drawing
 - pencil drawing
 - title
 - magnification used
 - labels suiting its purpose
 - Consistency of observations with the biological material used
 - recognisable shape
 - similar proportions