

BTEC Applied Science Summer Transition Task

As part of the BTEC Applied Science course you have to be able to research and work independently. The tasks below will help develop skills required to succeed in the Sixth Form at Walton.

Task 1:- Research organelles found inside plant and animal cells. Your research should include a description of structure and the outline of its function. Alongside your written descriptions you must include electron microscope images of each organelle – clearly labelled.

The organelles to be included in the report are: Nucleus, Cell Membrane, Ribosomes, Mitochondria, Chloroplasts, Vacuole, Cell Wall, Rough Endoplasmic Reticulum. Smooth Endoplasmic Reticulum, Golgi Apparatus, Lysosomes and Centrioles.

Task 2:- Write a history of the Microscope. This task must include a full bibliography that shows clearly the websites and books that were used during the research. The essay itself should be two sides of A4 and consist of between 1000 and 1500 words – not including the bibliography. To produce a bibliography follow the guidelines below:-

For book sources –

- author name
- title of the publication (and the title of the article if it's a magazine or encyclopedia)
- date of publication
- the place of publication of a book
- the publishing company of a book
- the volume number of a magazine or printed encyclopedia
- the page number(s)

For online sources –

- author and editor names (if available)
- title of the page (if available)
- the company or organization who posted the webpage
- the Web address for the page (called a URL)
- the last date you looked at the page