

A Level Biology Summer Work:

Cell Ultrastructure

Research to find out the roles of the following cell organelles:

nucleus, nucleolus, nuclear envelope, rough and smooth endoplasmic reticulum (ER), Golgi apparatus, ribosomes, mitochondria, lysosomes, chloroplasts, plasma (cell surface) membrane and centrioles

Produce a high quality 3D model of a cell, which clearly shows all of the organelles. Use any materials you want and try to be as original and creative as possible. You MAY NOT use perishable materials.

Be ready to present the model to small groups, you must be able to identify each organelle and concisely describe its role in the cell – without the aid of notes.

The Model will be due in the second Biology lesson.