

Building a Cell

Purpose:

To research a type of cell (i.e. osteocyte, enterocyte, pancreatic cell, liver cell, etc.) and build using the scroll saw

1. Written Research

- a. What is the function of this cell type?
- b. Where is this type of cell found?
- c. Is the cell type a part of an organ system?
- d. Is it unicellular or multicellular?
- e. What organelles are present?
- f. What would happen if it is damaged?
- g. How does it contribute to the overall function of the organism?

2. Model

- a. There is a prepared sketch of the cell you are going to be cutting
- b. The drawing accurately reflects the cell in real life
- c. There is a plan to accurately and safely cut the model cell that uses strategic relief cuts (as necessary)
- d. The cell structure is accurately illustrated by using techniques such as cutting, adding relief elements, painting, and/or drawing

