**Science Study Guide- Cells**

S5L3. Obtain, evaluate, and communicate information to compare and contrast the parts of plant and animal cells.

1. Gather evidence by utilizing technology tools to support a claim that plants and animals are comprised of cells too small to be seen without magnification.
2. Develop a model to identify and label parts of a plant cell (membrane, wall, cytoplasm, nucleus, chloroplasts) and of an animal cell (membrane, cytoplasm, and nucleus).
3. Construct an explanation that differentiates between the structure of plant and animal cells.

**Key Vocabulary**

Cell Membrane

Cell Wall

Cytoplasm

Nucleus

Chloroplasts

**Key Topics**

Organelles in Animal Cell vs Organelles in Plant Cell (Compare and Contrast Plant and Animal Cells)

What organelle controls the cell?

How does a plant cell make food?

Plant cell structure compared to animal cell structure (how do they look).

Why is cytoplasm a jelly like substance? What is it mostly made up of?

Why do scientists use microscopes?

Robert Hooke’s Cell Theory