

## *7<sup>th</sup> Grade Life Science Cell Processes Overview*

### *Objectives:*

- Describe the 3 methods by which materials move into and out of cells
- Compare active transport to passive transport
- Understand photosynthesis
- Describe the difference between a heterotroph and an autotroph
- Describe the relationship between photosynthesis and respiration

### *Activities:*

- Egg Lab (40 pts.)
- Carrot Lab (15 pts.)
- 1.4 Review “Cell and Environment” (20 pts.)
- 1.4 Enrich “Chlorophyll and Light” (11 pts.)
- 2.1 Review “Photosynthesis” (16 pts.)
- 2.2 Review “Respiration” (15 pts.)
- Study Guide (10 pts.)
- Cell Processes Test (100 pts.)

### *Websites:*

<http://www.tvdsb.on.ca/westmin/science/sbi3a1/Cells/Osmosis.htm>

<http://www.sambal.co.uk/photosynthesis.html>

<http://www.sambal.co.uk/respiration.html>