

**SNC2L BIOLOGY:**

Name: \_\_\_\_\_



| Topic |                                    | Learning Goals & Success Criteria<br><i>I can....</i>   | Video & Notes | Activities | Mastery Check |
|-------|------------------------------------|---|---------------|------------|---------------|
| 1     | <b>Microscopes &amp; Cells</b>     | <ul style="list-style-type: none"> <li><input type="checkbox"/> Find, focus &amp; draw images using a microscope</li> <li><input type="checkbox"/> Identify different types of cells (prokaryote, eukaryote – plant &amp; animal)</li> <li><input type="checkbox"/> Give an example of each type of cell</li> <li><input type="checkbox"/> List a pro and con for each different type of cell</li> </ul>              | Microscopes   |            |               |
|       |                                    |   | Cells         |            |               |
| 2     | <b>Parts of A Cell: Organelles</b> | <ul style="list-style-type: none"> <li><input type="checkbox"/> Identify and label organelles</li> <li><input type="checkbox"/> Explain the function of organelles</li> </ul>   |               |            |               |
| 3     | <b>Diffusion &amp; Osmosis</b>     | <ul style="list-style-type: none"> <li><input type="checkbox"/> Explain why molecules move from one area to another</li> <li><input type="checkbox"/> Identify factors that will speed up or slow down diffusion</li> <li><input type="checkbox"/> Explain the difference between diffusion and osmosis</li> <li><input type="checkbox"/> Give an example of where diffusion and osmosis occur in the body</li> </ul> |               |            |               |
| 4     | <b>Characteristics Of Life</b>     | <ul style="list-style-type: none"> <li><input type="checkbox"/> Use the characteristics of life to tell if something is alive or not</li> <li><input type="checkbox"/> Give an example of each characteristic of life</li> </ul>  |               |            |               |
| 5     | <b>Cell Cycle &amp; Mitosis</b>    | <ul style="list-style-type: none"> <li><input type="checkbox"/> Identify the stages of the cell cycle &amp; mitosis</li> <li><input type="checkbox"/> Draw the stages of mitosis</li> <li><input type="checkbox"/> Explain what is happening during each stage of the cell cycle &amp; mitosis</li> <li><input type="checkbox"/> Explain why the cell cycle is important in animals</li> </ul>                        |               |            |               |
|       |                                    |   |               |            |               |

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| 6     | <b>Cancer</b>                            | <ul style="list-style-type: none"> <li><input type="checkbox"/> Compare cell division in healthy and cancerous cells</li> <li><input type="checkbox"/> Explain why cancerous cells are harmful to the body</li> <li><input type="checkbox"/> Identify technologies and substances that can cause cancer</li> </ul>   |                   |            |               |
| 7     | <b>Cell Specialization &amp; Tissues</b> | <ul style="list-style-type: none"> <li><input type="checkbox"/> Explain the importance of specialized cells</li> <li><input type="checkbox"/> Give an example of a specialized cell</li> <li><input type="checkbox"/> Describe how the structure of a cell relates to its function</li> <li><input type="checkbox"/> Identify &amp; draw the 4 main types of tissues</li> <li><input type="checkbox"/> Describe the role of each type of tissue</li> <li><input type="checkbox"/> Explain cell organization (cell-tissues-organs-systems)</li> </ul>   |                   |            |               |
| 8     | <b>Organs &amp; Organ Systems</b>        | <ul style="list-style-type: none"> <li><input type="checkbox"/> Describe the function of the circulatory system</li> <li><input type="checkbox"/> Explain how the circulatory system works &amp; identify main organs</li> <li><input type="checkbox"/> Describe the function of the respiratory system</li> <li><input type="checkbox"/> Explain how the respiratory system works &amp; identify main organs</li> <li><input type="checkbox"/> Describe the function of the digestive system</li> <li><input type="checkbox"/> Explain how the digestive system works &amp; identify main organs</li> <li><input type="checkbox"/> Explain how organ systems work together</li> </ul> | Cell Organization |            |               |
|       |  |  | Circulatory       |            |               |
|       |  |  | Respiratory       |            |               |
|       |  |  | Digestive         |            |               |