

Topic	Objective(s)	Approx. # Hours	Notes Self-check when done	Activities List activities selected	Assessment Self-Checks
1	<b>Characteristics of Life &amp; Cell Theory:</b> <i>Understand the requirements for life and the basis of life</i>		✓ 1 video	✓ Is Sammy Alive ✓ Characteristics of life worksheet	X
2	<b>Cell Structures &amp; Types:</b> <i>Examine structures of plant &amp; animal cells; Understand the structural and functional roles of organelles; Explain the difference between prokaryotic and eukaryotic cells and the relevance of each</i>	3		Assignment <input type="checkbox"/>	Structures <input type="checkbox"/> Got it!
					Diagrams <input type="checkbox"/> Got it!
3	<b>Cell Specialization &amp; Stem Cells:</b> <i>Explain the importance of cell specialization in generating new tissues and organs; Analyze ethical issues related to technological developments</i>	1			<input type="checkbox"/> Got it!
4	<b>Diffusion &amp; Osmosis:</b> <i>Examine the movement of particles required to sustain life; Examine the importance of cell size in relation to survival</i>	0.5			<input type="checkbox"/> Got it!
5	<b>Cell Cycle &amp; Mitosis:</b> <i>Describe the cell cycle and explain the importance of division; Explain the importance of mitosis for cell growth &amp; repair; Examine cells using a microscope &amp; identify stages of mitosis and create biological diagrams</i>	3		Assignment <input type="checkbox"/>	<input type="checkbox"/> Got it!
6	<b>Cancer:</b> <i>Investigate the rate of cell division in cancerous and non-cancerous cells and predict the impact it has; Describe public health strategies related to cancer detection</i>	1			<input type="checkbox"/> Got it!
7	<b>Tissues:</b> <i>Investigate specialized cells (tissues) using a microscope and make biological drawings to show structural differences; Use appropriate terminology to describe structural differences</i>	1			<input type="checkbox"/> Got it!
8	<b>Organ Systems &amp; Interactions:</b> <i>Explain the primary functions of a variety of systems; Explain the interactions of different systems and why they are necessary for survival; Investigate through dissection the interrelationships between organ systems Analyze the ethical issues related to organ transplants</i>	3		Assignment <input type="checkbox"/>	<input type="checkbox"/> Got it!
9	<b>Plant Tissues &amp; Organ Systems:</b> <i>Investigate through dissection the interrelationships between organ systems</i>	0.5			X

