

Topic	Objective(s)	Approx. # Classes	Notes Self-check when done	Activities List activities selected	Mastery Checks
1	Characteristics of Life & Cell Theory: <i>Understand the requirements for life and the basis of life</i>	0.5		<input checked="" type="checkbox"/> Is Sammy Alive <input checked="" type="checkbox"/> Characteristics of life worksheet	X
2	Cell Structures & Types: <i>Examine structures of plant & animal cells; Understand the structural and functional roles of organelles; Explain the difference between prokaryotic and eukaryotic cells and the relevance of each</i>	2		Assignment <input type="checkbox"/>	Structures <input type="checkbox"/> Got it!
					Diagrams <input type="checkbox"/> Got it!
3	Cell Specialization & Stem Cells: <i>Explain the importance of cell specialization in generating new tissues and organs; Analyze ethical issues related to technological developments</i>	1.5			<input type="checkbox"/> Got it!
4	Diffusion & Osmosis: <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	Cell Cycle & Mitosis: <i>Describe the cell cycle and explain the importance of division; Explain the importance of mitosis for cell growth & repair; Examine cells using a microscope & identify stages of mitosis and create biological diagrams</i>	2			<input type="checkbox"/> Got it!
6	Cancer: <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>				<input type="checkbox"/> Got it!
7	Tissues: <i>Investigate specialized cells (tissues) using a microscope and make biological drawings to show structural differences; Use appropriate terminology to describe structural differences</i>				<input type="checkbox"/> Got it!
8	Organ Systems & Interactions: <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>				<input type="checkbox"/> Got it!
9	Plant Tissues & Organ Systems: <i>Investigate through dissection the interrelationships between organ systems</i>				X