

Topic	Objective(s)	Approx. # Hours	Videos & Notes	Activities Check answers & upload to OneNote	Mastery Checks Thatquiz.org Min 80%
1	<b>Characteristics of Life &amp; Cell Theory:</b> <i>Understand the requirements for life and the basis of life</i>	1.5	1 video	Assignment <input type="checkbox"/>	X
2	<b>Cell Structures &amp; Types:</b> <i>Explain the difference between prokaryotic and eukaryotic cells and the relevance of each</i> <i>Examine structures of plant &amp; animal cells;</i> <i>Use appropriate terminology to describe structural differences</i> <i>Understand the structural and functional roles of organelles</i>	6	2 videos	Assignment <input type="checkbox"/>	Structures <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Got It!  Diagrams <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Got It!
3	<b>Cell Cycle &amp; Mitosis:</b> <i>Describe the cell cycle and explain the importance of division;</i> <i>Explain the importance of mitosis for cell growth &amp; repair;</i> <i>Examine cells using a microscope (images) to identify stages of mitosis and create biological diagrams</i>	7	2 videos	Lab <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Got It!
4	<b>Cancer:</b> <i>Investigate the rate of cell division in cancerous and non-cancerous cells and predict its impact</i>	2	1 video		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Got It!
5	<b>Cell Specialization &amp; Tissues:</b> <i>Explain the importance of cell specialization in generating new tissues and organs;</i> <i>Investigate specialized cells (tissues) using a microscope (images) to indicate structural differences</i>	3	1 video	Assignment <input type="checkbox"/>	X
6	<b>Organ Systems &amp; Interactions:</b> <i>Explain the primary functions of a variety of systems;</i> <i>Explain the interactions of different systems and why they are necessary for survival;</i>	8	4 videos	Assignment <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Got It!