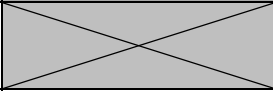



Notes and activities will be checked for completion &amp; corrections.

Topic	Objective(s)	Approx. # classes	Notes	Activities <i>Check <u>not</u> including labs or assessments</i>	Mastery Check & # of attempts
1	<b>Characteristics of Life &amp; Cell Theory:</b> <i>Understand the requirements for life and the basis of life</i>	1	1 video		
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	3 videos		Structures <b>Got It!</b> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <b>Not Yet!</b>
					Diagrams <b>Got It!</b> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <b>Not Yet!</b>
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>	2	2 videos		<b>Got It!</b> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <b>Not Yet!</b>
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>	1	1 video		<b>Got It!</b> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <b>Not Yet!</b>
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>	4 <b>Lab</b>	3 videos		<b>Got It!</b> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <b>Not Yet!</b>
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>	2	2 videos		<b>Got It!</b> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <b>Not Yet!</b>
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	2 videos		<b>Got It!</b> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <b>Not Yet!</b>
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>	4 <b>Lab</b>	3 videos		<b>Got It!</b> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <b>Not Yet!</b>
9	<b>Plant Tissues &amp; Organ Systems:</b> <i>Investigate through dissection the interrelationships between organ systems</i>	1 <b>Lab</b>	2 videos		

## BIOLOGY Unit Deadlines & Formal Assessments



All assessments are to be completed in class and are due at the end of the in-class work period(s) unless otherwise indicated.

LABS	DATES	ASSESSMENTS	Work Period / Due Date
Mitosis Microscope Lab (topic 5)		Designer Cell Project (topics 2 & 3)	<i>May be worked on at home</i>
Frog Dissection (topic 8)		Mitosis Project (topic 5)	<i>May be worked on at home</i>
Flower Dissection (topic 9)		Diseases Affecting Organ Systems Project (topics 6-8)	<i>In Class ONLY</i>

Biology is the study of complicated things that have the appearance of having been designed with a purpose.

Richard Dawkins

**≥ 80% or a minimum of TWO attempts on ALL mastery checks required BEFORE a unit test**

SUMMATIVE EVALUATION	DATE	Late Test Date
Unit Test	<b>Friday April 24<sup>th</sup></b>	<b>TBA</b> <b><u>Prior Approval Required</u></b>





**In order to be considered to write the test on the “late test date” an application must be completed, signed by a parent/guardian and submitted 3 days BEFORE the test date.**

**A completed application does not guarantee acceptance to write at the later date.**

### Mastery Checks:

- Mastery Checks may be attempted more than once and are not considered complete until **≥ 80%** is achieved.  
Extra practice must be completed & shown to get another code.
- Must be written during class or after school during supervised extra help times.
- Keep track of the number of attempts on the unit checklist
- Must be attempted as you progress through the topics –**DO NOT** let them accumulate until the end of the unit. You may run out of time!

#### Edsby Gradebook Symbols

-  Not yet **≥ 80%** but 2 attempts completed
-  Overdue / Late
-  Not Done
-  Incomplete (one attempt **< 80%**)