

Biology 2020-2021

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**Prep period:** 6th hour

**Office Hours:** Wednesday during asynchronous class period.  
Come in for help, ask a question, or just say “Hi”.



Google Classroom.

You will need to check in here on a regular basis. This will be our “Home Base”. Assignments will be posted, information shared, and feedback given.

Textbook:

**This year will be a little different**, you will not be issued a personal textbook. We will access online resources instead.

**Required Material:**

- The [material list](#) for the first eight weeks can be found under the “Course Handouts” on my [School Webpage](#) or the “Classwork” tab in our Google Classroom.
  - This list may be updated when we return to Face to Face Classes.

**Grading Scale:**

100 - 97.50	A+	97.49-92.50	A	92.49-89.50	A-
89.49 - 86.50	B+	86.49-82.50	B	82.49-79.50	B-
79.49 - 76.50	C+	76.49-72.50	C	72.49-69.50	C-
69.49 - 66.50	D+	66.49-62.50	D	62.49-59.50	D-
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**Grade Distribution**

60 % Assessments

30 % Lab/Homework

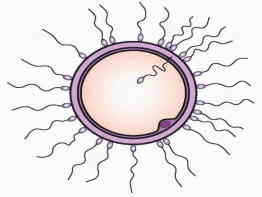
10 % Classwork/Participation

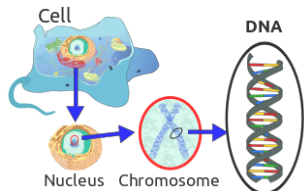
**Resources to Study for Semester Exam**

- Interactive/DQ notebook
- Notes - teacher directed & student created (i.e. Cornell, doodle notes, outlines)
- Review Sheets (provided before each test)
- Vocab sheets & quizzes

*“She really makes the tests from the notes & review sheets?!”*

## 2020-2021 Syllabus

Semester 1		
Week	Date	Topic
1	8/31-9/3	Introduction and Scientific Process
2	9/8-9/11	Characteristics of Life
3	9/14-9/18	Hierarchy of Life
4	9/21-9/25	Carbon and Biomolecule
5	9/28-10/2	Enzymes and pH
6	10/5-10/8	Cells and Organelles 
7	10/13-10/16	Cell Membrane and Diffusion
8	10/19-10/23	Water and Osmosis
9	10/26-10/30	Active Transport and ATP
10	11/2-11/6	Midterm and Thermodynamics
11	11/9-11/13	Light Reactions
12	11/16-11/20	Light Independent Reactions
13	11/23-11/24 Thanksgiving Break	Interrelationship between Photosynthesis and Cellular Respiration
14	11/30-12/4	Cellular Respiration
15	12/7-12/11	Anaerobic Respiration
16	12/14-12/18	Cell Cycle and Regulation
17	1/4- 1/8	Mitosis and
18	1/11-1/15	Stem Cells and Review for Exams
19	1/19-1/22	Review and Exams

Semester 2		
20	1/25-1/29	Comparisons
21	2/1-2/5	Meiosis
22	2/8-2/11	Sex Ed - Anatomy
23	2/16-2/19	Sex-Ed - Diseases
24	2/22-2/26	Sex Ed Post Test and Mendelian Genetics
25	3/1-3/5	Punnett Squares and Probability
26	3/8-3/12	Complex Inheritance
27	3/15-3/19	Pedigrees and Genetic Disorders
28	3/22-3/26	Discovery of DNA <div style="text-align: center;">  <p>The diagram illustrates the discovery of DNA. It starts with a 'Cell' containing a 'Nucleus'. An arrow points from the nucleus to a 'Chromosome', which is shown as a coiled structure. Another arrow points from the chromosome to a 'DNA' double helix structure.</p> </div>
29	3/29-4/1	Replication and Transcription
30	4/12-4/16	Protein Synthesis and Mutations
31	4/19-4/23	Genetic Engineering
32	4/26-4/30	Darwin's Principles and Evidence for Evolution
33	5/2-5/7	Mechanisms and Types of Selection
34	5/10-5/14	Speciation
35	5/17-5/21	Organization of Ecosystems
36	5/24-5/28	Population Dynamics
37	6/1-6/4	Human Impact
38	6/7-6/11	Review and Exams

- This is our goal schedule and may be altered if needed.

**SCHOOLS**  
**OUT**  
**FOR THE**  
**SUMMER**