

Ms. Dostatni
Bishop Noll Institute
Honors Biology – Course Expectations

Course Description

Students will study the major life processes common to all organisms through regular laboratory investigations and modeling activities. The students will be introduced to the fundamental concepts of biology. An investigation of life from the molecular level to the complexity of the entire organism and its role in ecosystems within the biosphere will take place. Through classroom and laboratory experiences, students will be expected to gain an understanding of biological topics, the historical development of biology, and its use in various careers.

General Course Goals

- To gain knowledge of the living world
- To enhance critical thinking skills
- To enhance laboratory and problem solving skills
- To be able to recognize and understand the use and purpose of Biology in our daily lives

Course Materials – (*Must bring to class everyday!)

- *Charged iPad (Any class assignments/notes/labs that cannot be accessed due to an uncharged or misplaced iPad will not be accepted late. The student MUST be diligent and responsible regarding iPads preparedness.)
- Textbook: Biology (Miller & Levine) Every student will be issued a book on the first day of school in August, and they must return this book on the last day of school in May. Students will also have access to the eText.
- Folder or Binder with notes, handouts, and loose leaf paper (optional)
- Pen and pencil (when needed)
- Highlighter and Calculator (when needed)

Grade Determination

According to the Bishop Noll grading scale, A = (90-100) B = (80-89) C = (70-79) D = (60-69) F = (59 and below).

In Biology, grades will be determined in the following manner:

Test: 50%

Homework and Quiz: 20%

Lab/Project: 30%

Class Procedures

When students enter the classroom each day, they are expected to take their assigned seat, have any completed homework that is due ready to turn in or turned in electronically, and be ready to begin the daily lesson. All basic classroom rules will be discussed with the students. There will be a sign displayed in the classroom each day regarding iPad use. Students are expected to use their iPads ONLY for biology class related matters. Games, social media, video

apps, etc. are not part of biology class. When the large iPad use sign is turned on its GREEN side “iPad Time”, all students may use their iPads for biology class related activities as directed by the teacher. When the large iPad use sign is turned on its RED side “No iPad Time”, the expectation is that all students turn their iPad screen off and lay their iPad FLAT on their table. There are times during the class when the iPad serves best as a learning tool (GREEN time) and there are times when the iPad would just be a distraction to the activity we are engaging in (RED time). This is the reason iPad use is limited during biology class. It is important that the students are using class time effectively so that they are able to have the learning experience in this course that they deserve. **Therefore, any student using their iPads during RED time will be issued a detention.**

Homework

Homework and lab reports are significant parts of the grade and should always be completed to the best of the student’s ability. They are assigned for the purpose of reinforcing what is taught in class and will allow students to take what they have learned and enhance it by thinking about it in different ways. It is expected that all assignments are taken seriously and completed as proficient as possible. Regular homework will not be accepted late for full credit. Homework that is one day late will be given half credit. After one day, students will be given a grade of zero for the homework assignment. Labs and other projects will be accepted late but will be dropped a complete letter grade for each day that they are late. Not only will homework help a student to stay engaged in class, but it will also be valuable outside of school and in future endeavors as students strive to develop a strong work ethic.

Google Classroom

Google Classroom is the “go-to” place for students and parents to find information regarding posted assignments, due dates, upcoming tests, lab information, etc. Students must also turn in all digital assignments through Google Classroom. Students should check Google Classroom for assignments when absent. It is the student’s responsibility to make sure they REALLY turned their assignments in and attached the appropriate documents on Google Classroom on time.

Notability

Notability is a note-taking app that we will use in class daily. You will keep the Biology notes that I post on Google Classroom in the “Notes” section of your “Biology Binder” that you created during the iPad Bootcamp. You can write and type on any documents in Notability. You will also complete homework assignments by using the features of Notability and submitting those completed assignments through Google Classroom for grading.

Biology.com

Biology.com is the website associated with our Pearson Biology textbook. All students will be given access to Biology.com. They will be able to access many useful tools such as the digital version of the text and lesson quizzes. These quizzes will count toward the student’s Biology grade. Everything assigned on Biology.com will also be announced on Google Classroom.

RenWeb

RenWeb is used as a communication and organization tool for Biology class and all classes. Students and parents should check RenWeb consistently in order to be fully aware of the student's grades and what is happening in class. Useful information especially grades, attendance, and tardies can be found on RenWeb.

Attendance and Tardy Policy

Class time is extremely valuable. If for any reason a student is absent, he or she must complete all missed work. **It is the student's responsibility to ask the teacher what they have missed upon returning to class (after school or during SRT).** Students should first check Google Classroom for absent work and then follow up with the teacher in person or through email if clarification regarding the assignment is needed. The appropriate amount of time will be allowed to complete all missed work. Any tests or quizzes in which the student was informed of before their absence, must be taken the day it was originally scheduled when they return, unless it is determined by the teacher that the student did not have all of the information necessary to adequately study for the test or quiz. Being habitually tardy to class is not tolerated. Students will be considered "tardy" if they are not in the classroom when the bell rings. Detentions will be issued for unexcused tardiness. Students will be issued a detention on the day of their third tardy to Biology class and every additional tardy after the third one.

iLearn Biology Test

All students currently enrolled in biology this school year will be required by the State of Indiana to take the iLearn Biology test, likely in May. Students must pass this test in order to fulfill part of their graduation requirements. **It is important for students to strive to do their best throughout this entire biology course so that they are prepared for this test. Students should always complete their own work and study thoroughly for biology tests throughout the year.**

Thank you in advance for all of your efforts in making this Biology course an exciting and enriching learning experience for all of us! Parents, feel free to contact me if you have any questions or concerns. My email address is rdostatni@bishopnoll.org. Parents and students, please sign and return a copy of these biology course expectations to me. Your signature acknowledges that you understand the course expectations of biology class.

Student _____ Date _____

Parent/Guardian _____ Date _____

Tentative Course Calendar

TIME FRAME	CONTENT	SKILLS (Indiana Standards)
August	Chapter 1: The Science of Biology 1.1: What is Science? 1.2: Science in Context 1.3: Studying Life	B.1.1 B.1.2, B.2.1, B.3.3, B.5.2, B.6.2, B.6.3
September	Chapter 2: The Chemistry of Life 2.1: The Nature of Matter 2.2: Properties of Water 2.3: Carbon Compounds 2.4: Chemical Reactions and Enzymes	B.1.1, B.1.3 B.1.1, B.1.2, B.5.1, B.5.4 B.1.2, B.1.3, B.5.4, B.5.5
October	Chapter 7: Cell Structure and Function 7.1: Life is Cellular 7.2: Cell Structure 7.3: Cell Transport 7.4: Homeostasis and Cells	B.1.1, B.2.1, B.2.2 B.2.1, B.2.2, B.2.3, B.2.4, B.2.5, B.2.6 B.1.2, B.2.2, B.2.5 B.1.3, B.2.1, B.2.5, B.2.6, B.3.3, B.6.2, B.6.3
November	Chapter 8: Photosynthesis 8.1: Energy and Life 8.2: Photosynthesis: An Overview 8.3: The Process of Photosynthesis Chapter 9: Cellular Respiration and Fermentation 9.1: Cellular Respiration: An Overview 9.2: The Process of Cellular Respiration 9.3: Fermentation	B.3.1, B.3.2, B.3.3, B.3.5, B.1.2 B.3.1, B.1.1, B.3.4, B.2.1, B.2.3 B.2.3, B.3.1 B.3.1, B.3.2 B.1.2, B.2.3, B.3.2
December	Chapter 10: Cell Growth and Division 10.1: Cell Growth, Division, and Reproduction 10.2: The Process of Cell Division 10.3: Regulating the Cell Cycle 10.4: Cell Differentiation	B.2.1 B.5.1, B.6.1 B.1.2, B.1.3, B.3.3, B.5.5 B.1.3, B.3.3, B.6.3

January	<p>Chapter 11: Introduction to Genetics 11.1: The Work of Gregor Mendel 11.2: Applying Mendel's Principles 11.3: Other Patterns of Inheritance 11.4: Meiosis</p> <p>Chapter 12: DNA 12.1: Identifying the Substance of Genes 12.2: The Structure of DNA 12.3: DNA Replication</p>	<p>B.5.2, B.5.5 Header (Default) + B.7.1, B.7.2, B.7.3 B.1.3, B.5.6, B.7.2, B.7.3 B.6.4, B.6.5</p> <p>B.5.1, B.5.2 B.5.1 B.1.2, B.7.4</p>
February	<p>Chapter 13: RNA and Protein Synthesis 13.1: RNA 13.2: Ribosomes and Protein Synthesis 13.3: Mutations</p> <p>Chapter 14: Human Heredity 14.1: Human Chromosomes</p> <p>Chapter 15: Genetic Engineering</p>	<p>B.1.2, B.5.3 B.1.2, B.2.4, B.5.3, B.5.5, B.8.1 B.5.3, B.5.4, B.5.5, B.7.4, B.7.5</p> <p>B.1.2, B.5.1, B.5.2, B.5.4, B.5.5, B.5.6, B.7.1, B.7.2, B.7.3, B.7.5 B.7.5</p>
March	<p>Chapter 16: Darwin's Theory of Evolution Chapter 17: Evolution of Populations Chapter 18: Classification</p>	<p>B.8.2, B.8.3, B.8.4, B.8.5 B.5.2, B.5.6, B.6.5, B.7.5, B.8.3, B.8.4, B.8.5, B.8.6 B.8.2, B.8.3, B.8.4</p>
April	<p>Chapter 19: History of Life Chapter 20: Viruses and Prokaryotes</p>	<p>B.6.5, B.8.1, B.8.4, B.8.6, B.8.7 B.4.4, B.8.2, B.8.4</p>
May	<p>Chapter 3: The Biosphere</p> <p>Chapter 4: Ecosystems and Communities Chapter 5: Populations Chapter 6: Humans in the Biosphere</p>	<p>B.3.1, B.3.4, B.3.5, B.4.1, B.4.2, B.4.4</p> <p>B.4.1, B.4.2, B.4.4 B.4.1, B.4.2, B.4.3, B.4.4 B.4.2, B.4.3, B.4.4</p>