



# Northeast Health & Science Magnet High School

Mrs. Donna Walker-Thompson, Principal

## 2021 - 2022 Biology Syllabus



Course: **Biology**

Teacher Name: **Mr. Chivas Spivey**

Email: **[chivas.spivey@bcsdk12.net](mailto:chivas.spivey@bcsdk12.net)**

School Phone: **478-779-4100**

Office Hours: **2:50 - 4 p.m.**

Support Days: **Wednesday & Thursday**

### **Class Communication System**

To support out-of-school communication to parents and students, we will utilize REMIND which is a text-based application. To access this application, text the following codes to this number: **81010**.

**2<sup>nd</sup> Period Honors Biology = 8dfb3c**

**4<sup>th</sup> Period Honors Biology = c4keg97**

**7<sup>th</sup> Period Honors Biology = 27fk3a**

### **Course Overview**

This course is designed to develop and enhance students' knowledge and skills in the following: The Biology curriculum is designed to continue student investigations of the life sciences that began in grades K-8 and provide students the necessary skills to be proficient in biology. This curriculum includes more abstract concepts such as the interdependence of organisms, the relationship of matter, energy, and organization in living systems, the behavior of organisms, and biological evolution. Students investigate biological concepts through experience in laboratories and field work using the processes of inquiry.

### **Course Resources**

Several online resources will be available for students and parents to access the content and curriculum pertaining to Biology inside and outside of school. The goal of these available resources is to help assist and maximize student learning in and out of the classroom to ensure they are properly prepared and have equitable access to class content and materials. These resources are available 24/7. The resources are as follows:

- [Coach Spivey Youtube videos](#) – These videos are created and designed to help build student comprehension and understanding of key concepts in Biology. Students and parents must subscribe to 'Coach Spivey' youtube channel to access the instructional videos directly.
- [Fsicourses.net](https://www.fsicourses.net) - This website is created and designed as online courses to guide students through content and curriculum and assess their knowledge on Biology topics as we progress through the school year. Students must register to [fsicourses.net](https://www.fsicourses.net) by entering in their information and provided registration code in order to be assigned into online courses for Biology.
- [Liveworksheets.com](https://www.liveworksheets.com) – This is where your online interactive notebook will be held. Most of the activities and assignments you complete will be housed here. This is where you will go to update your proficiency sheets as well.

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### Course Topics of Study (e.g., Domains, Strands, Big Ideas)

Cells	Students will analyze the nature of the relationships between structures and functions in living cells.
Genetic Information	Students will analyze how genetic information is expressed in cells.
Genetics	Students will analyze how biological traits are passed on to successive generations.
Classification	Students will analyze the organization of interactive systems within single-celled and multi-celled organisms.
Ecology	Students will evaluate the interdependence of all organisms on one another and their environment.
Evolution	Students will evaluate the role of natural selection in the development of the theory of evolution.

### Course Texts

Pearson/Miller & Levine - Biology

### Materials

3-ring binder, minimum 1 inch thick  
Notebook paper  
Pens/Pencils/Colored Pencils/Erasers  
Section dividers  
Highlighters

### Course Expectations

#### Reading

Students will engage in interdisciplinary collaborative and independent critical reading experiences with a variety of grade-level texts.

#### Writing

Students will write for a variety of purposes to include argumentative, informational, and research. Students will make claims, support claims with evidence, and construct evidence-based responses.

#### Ongoing

Students will demonstrate a thorough knowledge of Biology as demonstrated by lab experiments, examinations, and other activities. Students are expected to come to class prepared, with all materials, and in a mindset to work diligently on the assigned work. Safety is of utmost importance. As such students are not allowed to eat or drink in the room, must wear closed toed shoes on lab days, and

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must wear eye protection. Any horse playing or other inappropriate behavior in the lab will result in the student being removed from the lab and subsequent labs, a failing lab grade and placement in an alternative lab setting for future labs.

### Course Assessments

Students will take a variety of classroom, school, district, state, and/or national assessments in this course to determine proficiency on the standards and college and career readiness. Some assessments will be performance or project-based, while others will include multiple choice, constructed responses, and free responses to provide students with essential test-taking skills and preparedness for increased success on End-of-Course assessments. The school-level assessment schedule is described below. It details the type and frequency of common assessment benchmarks (CABs), which are assessments that are taken by all students enrolled in the course and are used evaluate student readiness, progress, and proficiency on critical course standards.

<b>COMMON ASSESSMENT BENCHMARK SCHEDULE</b>			
	<b>Diagnostic CAB</b>	<b>Formative CAB</b>	<b>Summative CAB</b>
<b>Purpose</b>	Assesses student readiness  <i>Asks and answers, <i>What do students already know and what do they already know how to do?</i></i>	Assesses student progress towards meeting the expectations  <i>Asks and answers, <i>How well are students doing as they learn? Where do they need the most help?</i></i>	Assesses student mastery or proficiency as described by the standards.  <i>Asks and answers, <i>Do the students know and are they able to do what the standard says?</i></i>
<b>Frequency</b>	Beginning of every six weeks of instruction	Every week	End of every six weeks of instruction

### Attendance Policy

Students who take year-long classes, who have ten or more unexcused absences, will not receive credit for the course. Students who take semester-long classes and have 5 or more absences will not receive credit for the courses.

### PBIS Expectations

Students will operate under the Positive Behavior Interventions & Support system (PBIS) which promotes positive behavior and redirection strategies to help students be successful in their academic and extracurricular endeavors.

### Make Up Work

The student must complete missed work or exams within five days of an excused absence. It is the students and parents responsibility to make arrangements with the teacher. If a student completes the make-up work within the five-day period, he or she will receive credit without penalty. The

# Northeast Health & Science Magnet High School

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## 2021 - 2022 Biology Syllabus

### Grading and Reporting Policy

Grading Scale

A 90 -100

B 80 - 89

C 70 - 79

F 69 – below

Type of Assessment	Weight	Minimum Number per 6 week Period	Examples
Standards-based Instructional Tasks	40%	4	Formative quizzes, classwork, observations with rubric/checklist, labs, tasks with rubrics.
Standards-based Assessment Tasks	40%	2	District Unit Assessments and other summative assessments (constructed response assessments, selected response assessments, reflective assessments), culminating performance tasks, and projects.
Final Exam or End of Course (EOC) Test	20%	(End of Semester or End of Year)	Final Exam or End of Course (EOC) Test

**Note:** The teacher will determine the purpose and category of the learning activity and communicate it to students prior to assigning the activity.

	Days	Time	Purpose
After School	Tuesday/Thursday	3:15 – 5:15	Preparation for Milestones, SAT, ACT, AP, CTAE End-of-Course Pathways and Certifications
Saturday School	See NEHS Calendar	9:00 – 12:00 9:00 – 3:00	Service learning for PBIS for attendance recovery and alternative discipline resolutions (Saturday’s only).  Tutoring for all core and CTAE courses.  Preparation for Milestones, SAT, ACT, AP, CTAE End-of-Course Pathways and Certifications