

## **BIOLOGY COURSE SYLLABUS**

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### **COURSE DESCRIPTION**

This course covers Biology as described by the Federal Way course Expectations and the Washington EALR's. Students will be provided with the knowledge and skills to meet grade level State and District Standards in Biology in the following topics: basis of biological diversity, structure and organization of living systems, molecular basis of heredity, human biology, life processes and the flow of matter and energy, biological evolution, interdependence of life, and inquiry.

Successful completion of this year long course will satisfy 1.0 credit towards the required 2.5 credits in lab science to qualify for graduation. The class is student centered with a primary focus on inquiry, laboratory investigations, and writing.

Work will be kept either in the student portfolios stored in the classroom or within the student lab notebook starting the first week. It is the student's responsibility to obtain a composition book to be used exclusively as a Science Journal within the first week of school.

Assessment will be both formative and summative. Not all assessment will be graded (teacher's discretion). Successful completion of a unit will be based on the demonstration of mastery of the Standards covered. Student opportunities to make up credit for assignments and/or assessments will be dealt with on an individual basis. Students will be provided with multiple opportunities to show evidence that they have met each Standard. Meeting of all standards is the basis for passing the class.

Consistent, daily attendance and preparation is crucial to success in this course. You are expected to be present in class daily, unless severe illness or a family emergency occurs. Being tired, having a birthday, or going on vacation are NOT examples of acceptable reasons for absenteeism.

## Text Unit and Standards Correlations

GLE's (General Learner Expectations) are set up by the State of Washington as a guide to course content. Grading is based on the average score of for each GLE covered.

### 1) Evolution: Patterns and Products of Change in Living Systems

GLE 1.1.6	Characteristics of Living Matter
GLE 1.2.1	Molecular Basis of Heredity
GLE 1.2.6	Structure and Organization of Living Systems
GLE 1.3.9	Biological Evolution

### 2) Homeostasis: Maintaining Dynamic Equilibrium in Living Systems

GLE 1.1.6	Characteristics of Living Matter
GLE 1.2.6	Structure and Organization of Living Systems
GLE 1.2.8	Human Biology

### 3) Energy, Matter and Organization: Relationships in Living Systems

GLE 1.2.1	Molecular Basis of Heredity
GLE 1.2.6	Structure and Organization of Living Systems
GLE 1.3.8	Life Processes and the Flow of Matter and Energy
GLE 1.3.10	Interdependence of Life

### 4) Continuity Reproduction and Inheritance in Living Systems

GLE 1.1.6	Characteristics of Living Matter
GLE 1.2.6	Structure and Organization of Living Systems
GLE 1.2.7	Molecular Basis of Heredity
GLE 1.2.8	Human Biology

### 5) Development: Growth and Differentiation in Living Systems

GLE 1.2.6	Structure and Organization of Living Systems
GLE 1.2.8	Human Biology

### 6) Ecology: Interaction and Interdependence in Living Systems

GLE 1.2.1	Molecular Basis of Heredity
GLE 1.3.8	Life Processes and the Flow of Matter and Energy
GLE 1.3.10	Interdependence of Life

## BIOLOGY CONTRACT AND EXPECTATIONS

Outline for the terms and conditions for my participation and success in Biology.

- 1) At all times, I am expected to behave in accordance with the Federal Way School District Policies as outlined in the School Handbook and the attendance guidelines of Thomas Jefferson High School.
- 2) I will come to class on time, prepared to learn, and have all required materials.
- 3) I will clean up my work area and return any classroom equipment to its proper location before I am excused from class.
- 4) I will attend class with a positive attitude and work cooperatively with all members of the classroom.
- 5) My courtesy and honesty is expected at all times. I will respect the property, rights, and feelings of all members of this classroom.
- 6) I understand that my failure to work during a lab, work apart from my lab partner, or disrupt the work of another lab group may result in a removal from the activity, removal from class, and/or further disciplinary action..
- 7) I will be responsible for taking Cornell Notes when appropriate
- 8) Headgear is not appropriate in class. I will keep it in my pack when in class
- 9) Walkmans, Discmans, iPods, headphones, cell phones, pagers and other electronic devices should be neither seen nor heard in the classroom. They will be confiscated in accordance with RCW [28A.320.135](#) when appropriate.

### ATTENDANCE:

You are expected to be on time and present. Consistent, daily attendance and preparation is crucial to success in this course.

### TARDIES:

Tardies will be handled by the administration during the tardy sweep.

### LATE WORK:

I will accept late work when appropriate only in the event of an *excused absence*. All work must be turned in within three school days upon your return. IT IS THE RESPONSIBILITY OF THE STUDENT TO GET THE WORK

AND ARRANGE THE MAKE UP.

**MAKE UP EXAMS, QUIZZES AND LABS:**

It is the students' responsibility to make up within three days. Bear in mind that some labs will not be able to be made up and an alternate assignment will be provided when appropriate. Be sure to schedule an appointment with me.

**COPYING AND CHEATING:**

Copying and cheating is prohibited. If you are caught engaging in this behavior you and the individual who is allowing you to copy will receive appropriate discipline, including the loss of the score involved.

**PARTICIPATION AND ATTITUDE:**

This is a reflection of your cooperation, quality of work, consistency of work, role and attitude in class. Points for your participation and attitude will be assigned at the end of the trimester. This is designed to be a reward for those actively involved in their education.

**YOUR GRADE:**

Your grade will be made up of evidence from your work in meeting Standards (GLE's).

All of these activities will be used to produce your evidence:

- Participation
- Tests/quizzes
- Labs and Activities
- Group Projects
- Journaling
- Daily Assignments

**GRADING SCALE:**

(A) =	92-100%
(A -) =	91-90%
(B+) =	87-89%
(B) =	82-87%
(B -) =	80-82%
(C+) =	78-79%
(C) =	73-77%
(C -) =	70-72%
(D) =	69-64%
(D-) =	63-60%
(F) =	0-59%

## PORTFOLIO

Your working portfolio will be kept in class and will be updated and reviewed regularly. I will instruct you as to which assignments and tests should be placed in the portfolio. Your portfolio will be stored in a place where you will have regular access to it, should you need. This working Portfolio will provide you with the raw material from which to construct your final Portfolio. The final Portfolio is a requirement for graduation, as well as evidence that you have met Standards for the course.

I have read, understood and agree to the contents of this contract. I take full responsibility for my own learning, cooperation, behavior and attendance in this class. Please sign below and detach. I will keep your signature on file and you keep the contract in the front of your working portfolio for reference, as needed.

Student Name:

Printed

Signature

Date

Parent Name:

Printed

Signature

Date