

BIOLOGY UNITS

FALL semester	SPRING semester
<p>Unit 1: Biology Basics</p> <ul style="list-style-type: none"> • Scientific method • Engineering design process • Lab Safety • Biology-Characteristics of life • Chemistry of life and water properties • Macromolecules and nutrition <p>Unit 2: Cells</p> <ul style="list-style-type: none"> • Cell theory and organelles • Cellular transport • Mitosis • Cancer <p>Unit 3: Energy Flow</p> <ul style="list-style-type: none"> • Enzymes • ATP • Photosynthesis • Cellular Respiration • Trophic pyramids and food webs <p>Unit 4: Genetics</p> <ul style="list-style-type: none"> • DNA structure and function • DNA replication • Protein synthesis • Meiosis • Reproduction <p>Extended Learning Project</p> <ul style="list-style-type: none"> • see ELP Handout 	<p>Unit 5: Heredity</p> <ul style="list-style-type: none"> • Mendelian genetics • Complex inheritance patterns • Mutations • Genetic disorders • Genetic engineering <p>Unit 6: Evolution</p> <ul style="list-style-type: none"> • Evidence of evolution • Principles of natural selection • Mechanisms of microevolution • Patterns of macroevolution • Phylogenetic trees • Classification <p>Unit 7: Ecology</p> <ul style="list-style-type: none"> • Geochemical cycles • Ecological succession • Relationships of organisms • Population growth patterns • Human impact on environment <p>Extended Learning Project</p> <ul style="list-style-type: none"> • see ELP Handout <p>Course Fee \$20 on sliding scale. Payable to student accounts.</p>

Please read over this syllabus with your guardian and sign below:

I, _____ (student signature)
acknowledge that I have read and agree to the above policies AND the policies stated in the separate CHS SAFETY CONTRACT.

Guardian Signature _____

Guardian Printed name _____

Guardian number (_____) _____

Guardian email _____

BIOLOGY CTE

PERIOD _____

Mr. Thomas Fountain
 Room I-10 #360.596.8267
tfountain@osd.wednet.edu

OPEN LAB during:
 Coug Time
 after school until 3pm
 & by appointment

If found please return to:
Capital High School
2702 Conger Ave NW
Olympia, WA 98502



Materials:

Composition Notebook – 80+ pages, college ruled
 LARGE GLUE STICKS
 Pens/Pencils
 Scissors

Interactive Notebooks will be used DAILY. This will be where all your notes, labs, homework, and daily work will be organized. Notebook checks occur near the end of a unit & all make-up work is due at that time. For credit to be granted, responses will need to be in *complete sentences*.



Instructor's Expectations:

This is a high school course. As such I expect that you will take the course seriously and behave in a mature manner. This means you are expected to:

- **Have Academic Integrity.** Behave honestly with regard to your classwork.
- **Be Prepared.** You must complete the readings and assignments. Notebook should be brought to class each and every day.
- **Be Respectful.** At times there will be disagreement over views. This is a healthy part of discourse and learning. Please make sure to maintain a respectful tone. Also, refrain from swearing.

Class Policies:



Electronic Devices:

Devices (including earbuds) can be used in class ONLY when adding to the educational experience, otherwise they are **off & away**. When in doubt, check the sign. Electronics will be confiscated for repeat offenders and parents notified of their misuse.

Restroom Passes: You get 4 for the semester. Any unused tickets will become extra credit. Give a ticket to Ms. B, sign-out with time and name on the clip board, & take the restroom pass. Failure to do so will result in loss of pass privilege for the semester.



Tardy: Door is locked at bell. Get a pass from one of the three attendance kiosks or attendance office to be admitted into class.

Absences: If you are absent the day an assignment is due you are expected to **turn in the assignment the next day**. If you are absent the day an assignment is given you have one day per day you missed to make up the assignment per school policy. Please see me if you need assignments, labs, handouts, etc in room I-10 OR email me for a digital copy of the work. It is the student's responsibility to get their assignments and turn in missing work.

Grades - School-wide grading scale applies.

40% Formal Assessments - Tests/Quizzes/Projects/Formal Lab Reports
60% Informal Assessments - Notebook/Classwork/Activities/Investigations/Homework

Homework is due the next day for full credit unless otherwise specified. Late work can be submitted for 85% maximum *earned* score.

Classwork/Activities/Investigations are due /signed off at end of class unless otherwise specified. Late work can be submitted for 85% maximum *earned* score.

Formal Lab Reports/Projects are due on date specified. If absent, on the day of your return. Late work can be submitted for 85% maximum *earned* score.

Quizzes/Test can be made up if you have an **excused** absence. You have 5 school days to schedule a time to complete the missing assessment during lunch, after school, or during Coug Time.



ALL work for the unit is due by the NOTEBOOK CHECK.
NO work from that unit will be taken after that point in time.

Students with IEPs or 504s will have additional time as required by their plan.

Extensions can be granted if submitted 24 hours or earlier before a deadline (for a lab report/project) *with a valid cause*. This must be a formal request submitted in writing.

Academic Dishonesty: any action or omission by a student that constitutes plagiarism, cheating, or academic misrepresentation.

Types of Academic Dishonesty

- Cheating on a test (formal assessment) - *using a device, notes, or another student's answers*
- Sharing test questions with a student from another class
- Copying an assignment - *investigations, questions, lab reports, daily work, homework*
- Copying/pasting - *from other sources*
- Lack of citations - *for quotations or paraphrases*
- Submitting another's work as your own
- Turning in your own work again in another class
- Collusion- giving or sharing independent work resulting in that work being used by another a.k.a allowing another student to copy your work
- Falsifying research data
- Inventing sources

Possible Consequence(s)

- Formal write-up for academic file
- No credit for assignment
- Re-do assignment for partial credit
- Verbal warning
- Contacting parent/guardian
- Referral to administrator

