



Dartmouth High School

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Contact

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Course: Biology 11 Advanced Coursework available on *Google Classroom*

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Parents and students please refer to the HRSB *Assessment, Evaluation, and communication of Student Learning Policy* accessible at <http://www.hrsb.ns.ca/>

Term Mark: 80%

Exam: 20%

Course Introduction

The purpose of the Biology 11 program is to explore the unity and diversity of living things. The underlying concepts provide connections between units of study, fostering an awareness of the tremendous impact of biology and technology upon society. In advanced Biology 11, students will be exploring the concepts of the academic curriculum in more depth and will be able to critically analyze the relationship between all topics as well as various real world applications of the concepts studied. Students will also perform their own research of various biological and evolutionary processes that impact an organism's homeostasis.

Evaluation

When determining a student's final grade:

- ✓ No single assessment tool (i.e. presentations, labs, demonstrations, portfolios, debates, written tests/quizzes) will account for more than half of the value of each Gradebook category
- ✓ Learning trends over time will be considered, more recent student work and the teacher's professional judgment
- ✓ Students will participate in a final cumulative assessment opportunity that allows them to demonstrate an appropriate range of the learning outcomes and process skills involved in the course. This final assessment, whether a written examination or alternative assessment opportunity, will be worth no more than 20%.

Students in Biology 11 will explore the following units and topics:

MATTER AND ENERGY FOR LIFE (40%)

- The Cell and Microscopy
- Interaction of Cell Structures
- Cell transport systems
- Photosynthesis and Respiration

MAINTAINING DYNAMIC EQUILIBRIUM I (35%)

- Homeostasis
- Body Systems: Immune, Blood and Circulatory
- Body Systems: Respiratory
- Body Systems: Digestive

BIODIVERSITY (15%)

- Classifying Living Things
- Diversity among Living Things
- Biomes
- Population Dynamics

STUDENT RESEARCH PAPER (10%)

- Topic(s) to be discussed

Assessment Practice

Students will be provided with multiple opportunities to demonstrate their progress toward achievement of outcomes.

- ✓ Assessment **for** Learning/Formative Assessment is the ongoing process of gathering and interpreting evidence about student learning for the purpose of determining where students are in their learning, where they need to go, and how best to get there; instructional strategy that takes place while the student is still learning and served to promote learning
- ✓ Assessment **of** Learning/Summative Assessment is the process of analyzing, reflecting upon, and summarizing assessment information and making a judgment and/or decision based upon the information gathered.
- ✓ Assessment will take many forms, and will include observations, conversations, and products.
- ✓ Assessment Tools include, but are not limited to homework probes, quizzes, in-class assignments, group work, labs, in class discussions, tests, projects, and the final exam.

Creating Opportunities for Success (reference school code of conduct)

- ✓ Students are expected to attend class regularly, be punctual, be prepared with appropriate materials, and complete homework.
- ✓ Students are expected to take an active part in their own learning and follow the DHS school code of conduct (as outlined in the student handbook).
- ✓ Students are expected to demonstrate responsible use of technology.
- ✓ Students are expected to make positive contributions to the learning environment.

Procedural Expectations

Students are responsible for:

- ✓ Seeking assistance with assignments when required;
- ✓ Requesting an extension for assignments in a timely manner when required;
- ✓ Completing assignments by specified due dates so that teachers can provide timely feedback;
- ✓ Responding to feedback provided during the learning process.
- ✓ In the event that a due date for an assignment is missed, it will be at the discretion of the teacher to extend the deadline.
- ✓ Students who do not adhere to the extended deadline will have missed that opportunity to demonstrate achievement towards the outcomes addressed in that assignment.
- ✓ When an assessment is missed due to an absence, students/ parents are asked to communicate with the teacher to arrange for the assessment to be completed before the assessment occurs if at all possible.
- ✓ Students are **able** to exempt the final exam providing that they have met the requirements for Dartmouth High's exam exemption policy.

Communication Tools

Dartmouth High School will use a variety of methods to communicate student achievement throughout the school year.

- ✓ Parents and students are encouraged to monitor progress (as well as lates and absences) using the PowerSchool portal.
- ✓ Assessments may be coded as collected, late, missing, or not included in final grade. There may also be comments listed, such as areas of improvement or dates for negotiated extensions.
- ✓ When assessments start to be categorized in a new strand, these assessments are initially weighed heavily and may cause significant change in a student's overall grade. This weighting will become more balanced as assessments continue to be included in the new strand.
- ✓ While DHS has a number of scheduled opportunities for communication between home and school (Curriculum Night, Parent-Teacher Interviews, Mid Term Reports, Final Report Cards), parents and students are encouraged to contact the teacher any time during the semester to discuss progress.

Accessing Help

- ✓ Extra-help is available upon request. The best learning opportunities occur during class time so being in class is an essential part of this course. That being said, if you are struggling with a concept please come and see me as soon as you are encountering the issue and we will work it out.

Equipment Needs

- ✓ Textbook: Biology 11 will be available for in-class use as well as shared digitally through Google Classroom.
- ✓ Students will need a binder with loose-leaf to use when taking class notes, and completing practice problems.
- ✓ Other materials for the course include a scientific calculator, pencil, eraser, pen, highlighter, ruler, coloured pencils and graph paper.
- ✓ Separate Lab Notebook or Duotang