Dartmouth High School
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Contact

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

Term Mark: 80% Final Exam: 20%

Science 10 Course Introduction

Science 10 is a comprehensive introductory course to Biology, Physics and Chemistry. The primary focus of this program will be on Sustainability of Ecosystems, Chemical Reactions, Weather Dynamics and Motion.

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 Grade book 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 Science will explore the following units and topics:

Sustainability of Ecosystems (20%)

- How does sustainability fit into your way of thinking? Society's?
- What are the factors affecting the sustainability of an ecosystem?
- Sustainability issues in an ecosystem and thus the management of Global resources

Chemical Reactions(20%)

- An introduction to writing of chemical formulae and balancing of chemical equations
- Investigating chemical reactions
- A introduction to acids, bases and types of chemical reactions

Motion(20%)

- Investigate velocity and the relationship between velocity, time and acceleration

Weather Dynamics(20%)

- How are changes in the hydrosphere and atmosphere observed and measured?
- What energy source drives the water cycle?
- Heat energy, its transfer, and Weather Dynamics - is there a connection?
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(The specific outcomes for this course may be accessed at www.ednet.ns.ca click document depot.)

Assessment Practice

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

✓ Assessment **for** Learning/Formative Assessment… 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 serves to promote learning
✓ Assessment **of** Learning/Summative Assessment… process of analyzing, reflecting upon, and summarizing assessment information and making a judgment and/or decision based upon the information gathered.
✓ Student learning is assessed through observations, conversations and products, using assessment tools like checklists, assignments, labs, projects, presentations, tests and exams.

Creating Opportunities for Success

Dartmouth High School encourages respect for self, peers, teacher, and the environment. The Provincial School Code of Conduct outlines positive behaviors expected and possible consequences for inappropriate behaviors.

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 and principal 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.*

- ✓ **Plan** and organize so that deadlines can be respected
  - Check Power School regularly!
  - Under extenuating circumstances, request extensions in advance
  - late assignments will not be accepted if already assessed and returned
- ✓ Students are expected to **complete all assignments** including those completed when a student is absent. In some circumstances, students will be required to complete an alternate assignment which addresses the same outcomes in a different way. It is the student's responsibility to make arrangements for missed work upon their return to school.
- ✓ Students who legitimately **miss a major test** will be given one opportunity outside of class time to rewrite if the reason for the absence is communicated with a note, email or phone call directly to the teacher.

Communication Tools

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

- ✓ **Power School** - Students and parents are encouraged to access PowerSchool on a regular basis to track attendance and student progress. It will be updated regularly but when student work is submitted late, an inaccurate representation of student progress is portrayed.
  If an assignment is missing (m) it has not been submitted yet, a late(l) assignment has been submitted and a mark of zero will be assigned when the student fails to submit the assignment after multiple opportunities have been provided.
- ✓ **School Messenger** - electronic messages will report student absences and late
- ✓ **Curriculum Night, Parent-Teacher Interviews, Mid Term Reports, Final Report Cards**
- ✓ students and parents are encouraged to e-mail and/or make contact by phone with any concerns or questions

Accessing Help

In order to be successful in science 10…

- ✓ **Attend** regularly and be on time
- ✓ Be an **active learner**
  Read about the topic in advance, ask questions, use multiple resources to fully explore the material, focus your attention on the material and avoid the distractions of texting, socializing and listening to music
- ✓ **Study** regularly and attempt all homework independently
- ✓ **Communicate** with your teacher and seek extra help when necessary

Equipment Needs

- ✓ *Nelson Science 10* is the textbook for this course
- ✓ 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, and graph paper.

Acknowledgement of Receipt of Course Outline from Parent and Student

Please sign and return to indicate that you have read the course outline for Science 10.

Student name (please print): _____ Student signature: _____

Parent signature: Date: