Huron Heights Secondary School

SNC 2DI Course Outline – 2018/2019

Section: 02
Teacher: Mr. White
Office: room 2002
MSIP/Help: Period E
Resources: Online textbook, Website, Schoology, Quizlet

mrwhite.updog.co/Grade10.html
www.sciencesource.ca
login: HHSSstdnt
password: Husky
Schoology: DC7VJ-S55ZP
Quizlet: Grade 10 Science White

This course enables students to enhance their understanding of concepts in biology, chemistry, earth and space science, and physics, and of the interrelationships between science, technology, society, and the environment. Students are also given opportunities to further develop their scientific investigation skills. Students will plan and conduct investigations and develop their understanding of scientific theories related to the connections between cells and systems in animals and plants; chemical reactions, with a particular focus on acid–base reactions; forces that affect climate and climate change; and the interaction of light and matter.

Major Units of Study and Timeline:

Unit	Unit Title	Approx. No
X. Introduction	Scientific Investigation	4*
1. Chemistry	Chemical Reactions	24
2. Physics	Light and Geometric Optics	24
3. Biology	Tissues, Organs, and Systems of Living Things	23
4. Earth and Space Science	Climate Change	10

Teaching/Learning Strategies:

This course will be delivered using a variety of instructional strategies, which will include among others:

- socratic instruction
- teacher demonstration
- research projects
- laboratory experimentation
- interactive computer assisted learning
- multimedia presentations

Assessment/Evaluation Techniques:

Students will be evaluated using a variety of instruments including;

- written tests and quizzes (in class and in MSIP)
- practical lab skills assessment
- written laboratory reports
- independent projects
- learning skills assessment

Learning Materials (Students ***must*** bring these items to class daily)

- 3 ring binder, 3 ring lined paper
- pencil, eraser, pens
- scientific calculator, ruler (optics unit)
- **chromebook - many course resources will be available online**

Assessment and Evaluation:

Achievement Component- This is based upon The Achievement Chart for Science from the Ontario Curriculum, Grades 9 and 10; Science, 1999. The purpose of this component is the generation of a numerical mark for the report card for Term 1 and Term 2. The weights and percentages suggested in this section are tentative; flexibility exists to recognize variations within the curriculum for individual school boards, departments, teachers and students needs. The Culminating Performance Task and Final Exam comprise the 30% Ministry mandated weight of a Summative Performance Task. A *sample* achievement component evaluation breakdown is as follows:

The Final Mark for this course is calculated as follows:	*Term Mark*	*70%*
	Final Exam	30%
	Total	**100%**

An ***approximate*** breakdown of summative assessments for the term mark is provided below:

Scientific Method(10%)	***Chemistry (25%)***	***Physics (25%)***	***Biology (25%)***	***Climate Change (15%)***

All courses at Huron Heights conform to the assessment, evaluation and reporting policies and procedures of the Waterloo Region District School Board. Please visit our website (hrh.wrdsb.ca) for more information

MSIP is a integral component of this course. Students can expect that the teacher has designed this course to reflect the fact that course- specific student learning will take place during both class and MSIP time. As such, students are required to:

- Attend MSIP every day to meet the essential learning requirements of the course.
- Effectively use MSIP to complete course work. Effective uses of MSIP time may include: completing homework, working collaboratively, studying for tests or exams, working ahead on course projects or assigned readings, travelling to meet with teachers for extra help, or other activities as determined by the assigning teacher.

Academic Standards

It is your responsibility to provide evidence of your learning within established timelines. Due dates for assignments and the scheduling of tests will be communicated well in advance to allow you to schedule your time. If you aren't going to be able to follow an agreed upon timeline you should demonstrate your responsibility and organizational skills by discussing with your teacher the challenges you're facing as far in advance of the deadline as possible.

It is your responsibility to be academically honest in all aspects of your schoolwork so that the marks you receive are a true reflection of your achievement.

Plagiarism is using the words, ideas or work of someone else without giving appropriate credit to the original creator. This is a form of cheating.

Consequences for not meeting these academic standards may include:

- Requiring you to complete the original or alternative work after school or during your lunch hour;
- Assigning an "incomplete" for an assignment not completed prior to an agreed upon closure date. This may result in "insufficient evidence of learning" and may result in a failing grade.

Learning Skills- The teacher assesses the learning skills throughout the day-to-day completion of coursework. The learning skill assessments of student performance appear as letter grades on the report card using the following letter codes*: E= excellent, G= good, S= satisfactory, N= needs improvement*. It is important that students understand learning skills are excellent indicators of student success, and that improvement in these skills will translate into improvement in overall grades.

Learning Skills and Work Habits			E – Excellent G – Good S – Satisfactory N – Needs Improvement		
Responsibility			**Organization**		
▪ Fulfils responsibilities and commitments within the learning environment. ▪ Completes and submits class work, homework, and assignments according to agreed-upon timelines. ▪ Takes responsibility for and manages own behaviour.			▪ Devises and follows a plan and process for completing work and tasks. ▪ Establishes priorities and manages time to complete tasks and achieve goals. ▪ Identifies, gathers, evaluates, and uses information, technology, and resources to complete tasks.		
Independent Work			**Collaboration**		
▪ Independently monitors, assesses, and revises plans to complete tasks and meet goals. ▪ Uses class time appropriately to complete tasks. ▪ Follows instructions with minimal supervision.			▪ Accepts various roles and an equitable share of work in a group. ▪ Responds positively to the ideas, opinions, values, and traditions of others. ▪ Builds healthy peer-to-peer relationships through personal and media-assisted interactions. ▪ Works with others to resolve conflicts and build consensus to achieve group goals. ▪ Shares information, resources, and expertise, and promotes critical thinking to solve problems and make decisions.		
Initiative			**Self-Regulation**		
▪ Looks for and acts on new ideas and opportunities for learning. ▪ Demonstrates the capacity for innovation and a willingness to take risks. ▪ Demonstrates curiosity and interest in learning. ▪ Approaches new tasks with a positive attitude. ▪ Recognizes and advocates appropriately for the rights of self and others.			▪ Sets own individual goals and monitors progress towards achieving them. ▪ Seeks clarification or assistance when needed. ▪ Assesses and reflects critically on own strengths, needs, and interests. ▪ Identifies learning opportunities, choices, and strategies to meet personal needs and achieve goals. ▪ Perseveres and makes an effort when responding to challenges.		

Submission of Late Assessments

The Science Department at Huron Heights is committed to ensuring fairness in our evaluation procedures. The WRDSB has determined policy relating to the submission of late/missing assessments. The Assessment, evaluation and reporting handbook grades 9 to 12: WRDSB, c2013 informs:

Many experts in the field of assessment and evaluation discourage deducting marks or giving zeros for late and missed assignments, arguing that such measures do not motivate students to change their behaviour. Students must understand that there may be consequences for not completing assignments for evaluation or for submitting those assignments late. Lateness is an issue of student responsibility and time management, as well as academic fairness. It must be made clear to students early in the school year that they are responsible for providing evidence of their achievement of the overall expectations within a time frame negotiated with the teacher. Marks may not be deducted for assignments that are handed in late; rather, instances of lateness can be reflected in the student's Learning Skills and Work Habits.

This has lead to the development of the following expectations by the HHSS Science Department:

1. *All work will be assigned a "Due Date". This is the date that student work is to be submitted. The advantage for the student who meets the "Due date" will be the opportunity of their work to receive feedback from their teacher as well as receiving a grade.*

2. *If a student misses the "Due Date" then they will be given a 1-week extension in which they may still submit the work. This work <u>may</u> receive feedback and will be assigned a grade.*

3. *If the 1-week extension is missed, the student is still required to submit the work. They will receive no feedback and no grade. The teacher will record the work as "complete". The student has missed an opportunity to earn a mark through demonstrating their knowledge.*

Student Work Expectations

At Huron Heights we are committed to ensuring fairness in our evaluation procedures. Your son/daughter will, on occasion, have the opportunity to work collaboratively with other students on activities and assignments within the context of their Science class. In order to ensure fairness for all, we will apply the following expectations for work submitted by our students.

1. *All submitted work must be entirely produced by the student who earns credit/marks for that work.*

2. *When completing assignments, research, and laboratory reports students must work from the premise that their submitted work reflects their <u>own</u> thoughts, ideas, words, designs, products, images, shapes, or intellectual property. Failure to do so may result in an academic consequence.*

3. *If students use material from another source, it must be clearly cited/referenced.*

Note: During laboratory activities students will share the performance of the lab duties and the collection of data. It is expected that students independently complete the interpretation, analysis, conclusions, and final writing of their laboratory reports.

Student Signature:_____ Parent Signature:_____