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Westside Secondary School

Orangeville, Ontario, Canada

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www.ugdsb.on.ca/westside

Course: SNC1L	Teacher	Phone Extension	Email
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Course Description: This course enables students to develop a deeper understanding of concepts in chemistry, physics, biology, and Earth and space science. Additionally, this course enables students to further develop their practical skills in scientific investigations and to apply their understanding of science in real-world situations.

Big Ideas: The curriculum in each unit targets "Big Ideas" that are laid out by Ontario's Ministry of Education and adapted by Westside teachers. The following chart outlines the Big Ideas being explored and evaluated in each unit of this course. For more information on the overall course expectations, visit the following website:
http://www.edu.gov.on.ca/eng/curriculum/secondary/science910_2008.pdf

Unit of Study	Big Ideas
Chemistry - Atoms, Elements, and Compounds	• Trends and patterns can be used to make informed predictions. • Elements and compounds have specific physical and chemical properties that determine their practical uses. • The use of elements and compounds has both positive and negative effects on society and the environment.
Physics - Electricity	• Static and current electricity both act in predictable ways. • Static and current electricity both have the potential to be dangerous; however, we still use them for our benefit. • We are responsible for our electricity production and consumption.
Earth and Space Science – Astronomy	• Our understanding of the universe is based on direct observations, indirect observations, and theory. • Celestial objects in the solar system and universe have specific properties that can be investigated and understood. • Technologies developed for space exploration have practical applications on Earth.
Biology - Ecosystems	• Ecosystems are complicated systems with many interacting components. • The sustainability of ecosystems depends on balanced interactions between their components. • Human activities have an impact on the sustainability of ecosystems.

Instructional Strategies: Westside teachers use a variety of instructional strategies to help students develop and improve skills in the following areas: character, citizenship, communication, critical thinking and problem solving, collaboration and teamwork, and creativity and imagination.

Achievement Categories: Student learning is assessed and evaluated in a balanced manner with respect to the following four interrelated categories of knowledge and skills:	**Knowledge and Understanding** **Thinking and Inquiry** **Communication** **Application**

Assessment and Evaluation: Assessments for and as learning are used to improve student success by providing opportunities to demonstrate understanding of course expectations prior to the evaluation of learning. Evaluations of learning are where students demonstrate their understanding of Big Ideas and key expectations. Failure to complete an evaluation of learning may result in the credit not being granted because certain expectations of the course have not been met.	
Term Work Evaluations: 70%	**Final Evaluation(s): 30%**
Biology Unit: Test and Project Chemistry Unit: Test and Lab Activity Earth and Space Science Unit: Test and Inquiry Activity Physics Unit: Test and Lab Activity	Interview (15%) Culminating Project (15%)

Late Work

- Students are expected to complete all assigned work and submit it by the teacher's established due date. Every attempt will be made to encourage students to complete all assigned work on time so their grade represents their actual achievement. For late and missed summative assessments, please see the ***Westside Students' Contract for Missing Evidence of Learning***.

Safety Agreement

- All students will receive a safety agreement and will sign and return the UGDSB Student Safety Record.

Enhancement Fee

- Voluntary enrichment fees may apply to this course. If a student does not pay, he/she will not be able to complete the activity but will still be able to meet the course expectations.
- $5.00 for owl pellet dissection ($10/pellet working with a partner)

Electronic Devices

- The science department at Westside S.S. has a policy that no electronic devices (e.g. cell phones, tablets, iPods, mp3 players, etc.) are allowed during evaluations. For this reason, students are reminded to bring a scientific calculator when needed.

Classroom Rules

- Students are expected to follow the rules of conduct, as referenced on the school's web site: http://www.ugdsb.on.ca/westside/.
- In addition to these general rules of Westside Secondary School, the rules for the science classroom are as follows:
  - no food or drink of any kind is allowed in a science classroom
  - respect the people, equipment, and furnishings of the science classroom
  - immediately stop any activity and give your attention to the teacher when asked to do so

- summative evaluations of learning will not leave the classroom, but are available for students to discuss with the teacher