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Westside Secondary School

Orangeville, Ontario, Canada

519-938-9355 *www.ugdsb.on.ca/westside*

Course: SNC2P	**Teacher**	**Phone Extension**	**Email**
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Course Description: This course enables students to develop a deeper understanding of concepts in biology, chemistry, earth and space science, and physics, and to apply their knowledge of science in real-world situations. They are also given opportunities to develop practical skills related to scientific investigation. Students will plan and conduct investigations into everyday problems and issues related to the four units of study, as listed below.
Prerequisite: Science, Grade 9, Academic or Applied

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 http://www.edu.gov.on.ca/eng/curriculum/secondary/science910_2008.pdf.

Unit of Study	Big Ideas
Biology	● All animals are made of specialized cells, tissues, and organs that are organized into systems. ● Although technology and chemicals can be used to improve human health, they can also constitute a health hazard.
Chemistry	● Chemicals react with one another in predictable ways. ● Chemical reactions are a necessary component of chemical products and processes used in the home and workplace.
Earth and Space Science	● Global climate change is affected by both natural and human factors. ● Climate change affects living things and natural systems in a variety of ways.
Physics	● A wide range of technologies utilize the properties of light and colour. ● The behaviour of light depends on the materials with which it interacts. ● Light is a form of energy, produced from a variety of sources, and can be transformed into other useful forms of energy.

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 & Understanding** **Thinking & 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 Inquiry Activity Chemistry Unit: Test and Lab Activity Earth and Space Science Unit: Test and Inquiry Activity Physics Unit: Test and Lab Activity	Course Reflection (4%) Exam (26%)

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 Agreement.

Textbook

- Nelson Science Connections 10 – replacement fee for a lost or damaged textbook is $90

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 a frog dissection ($10/frog working with a partner)
- $ 2.50 for an eyeball dissection ($5/eyeball 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