



# Windsor Secondary School

931 Broadview Drive  
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**Mission: "We strive to foster engaged, critical thinkers and compassionate educated citizens"**

Windsor aspires to be a vibrant learning environment where individuals respect and encourage each other to develop the competencies to thrive in a rapidly changing world

## SCIENCE 8 – COURSE OUTLINE

Teacher: Ms. Krista Wood

Email: [kwood@sd44.ca](mailto:kwood@sd44.ca)

MS Teams: Science 8

### BIG IDEAS

- Life processes are performed at the cellular level
- The behaviour of matter can be explained by the kinetic molecular theory and atomic theory
- Energy is transferred as both a particle and a wave
- The theory of plate tectonics is the unifying theory that explains Earth's geological processes

### COURSE CONTENT

- Life Science: **Biology**
- Physical Science: **Chemistry**
- Physical Science: **Physics**
- Earth Science: **Geology**

### RESOURCE MATERIALS

- BC Science 8 (McGraw-Hill Ryerson)

### ASSESSMENT AND EVALUATION

**Assessment** is the systematic gathering of information about what students know, are able to do, and are working towards. Assessment methods may include quizzes, student self-assessment of **core competencies**, performance observations, and conferencing.

**Evaluation** strategies may include

- Assignments, activities
- Tests, quizzes
- Projects, lab activities
- Presentations, mind maps

## MARKS ASSIGNMENT

- Interim marks are determined from the above assessment and evaluation strategies and represent a “snap-shot” of performance in the course at the time of reporting
- Final mark will be cumulative, based on performance in the course over the quarter

## GRADE BOUNDARIES

An “A” student will/can....

Produce high-quality, frequently innovative work. Communicate scientific ideas to connect and synthesize concepts and skills learned over time. Consistently demonstrate sophisticated critical and creative thinking. Collect, present, and (correctly) transform experimental data. Interpret, analyze and critique scientific findings and experimental data. Frequently transfers knowledge and skills and use concepts to solve non-routine problems.

A “B” student will /can ...

Sometimes produces high-quality, innovative work. Communicate scientific ideas to compare and critique concepts and skills learned over time. Consistently demonstrate a degree of critical and creative thinking. Collect and present scientific data in an appropriate manner. Assess, interpret, and revise scientific findings and experimental data. Transfer knowledge and skills and use concepts to consistently solve routine problems correctly with few mistakes.

A “C” student will /can ...

Produce work of an acceptable quality. Communicate a basic understanding of scientific concepts and operate superficially within a scientific contextual framework. Display an emergent level of application when it comes to critical thinking skills. Collect scientific data in an appropriate manner. Be inflexible in the use of knowledge and skills, requiring support even in familiar classroom situations. Make attempts to use knowledge, skills and scientific concepts to solve routine problems, with occasional mistakes.

## POLICIES AND PROCEDURES

- Students are expected to follow the safety rules outlined in the text and discussed in class
- Students will regularly be given progress reports in class so that they can monitor and be accountable for their own learning
- For students receiving a mark less than 60%, this report constitutes an “**Incomplete**” or “I” letter grade
- It is expected that students will demonstrate ethical, responsible, cooperative behavior
- Cheating, plagiarism, and academic dishonesty are not acceptable
- No credit, or additional opportunity for make-up, will be given to students involved in any form of cheating, plagiarism or academic dishonesty
- **Cell phones and electronic devices are not permitted in Science classrooms**

## **ATTENDANCE**

- Missing classes for any reason will have an impact on academic success
- Students absent from class are solely responsible for obtaining and completing any missed work
- A mark of zero may be assigned for all missed assignments, tests, and quizzes
- The school and teaching staff are not required to make special arrangements for unexcused absences
- Family vacations are not an excused absence
- Repeated unexcused absences or lates will result in consequences from the classroom teacher and from the grade administrator
- Please refer to the School District 44 'Attendance Matters' document found on the North Vancouver School District Home Page

## **TEXTBOOKS**

- Textbooks must be maintained throughout the quarter, and students must return their assigned textbook at the end of the quarter
- Students will pay for lost/damaged textbooks (\$90.00 to replace BC Science 8)
- Students will be expected to maintain an organized binder containing notes, workbook, assignments, and activities