

**Teacher Name:** *Elise Ahern-Davy*

**Subject:** *Secondary 2  
Science*

**Email:** *eaherndavy@wqsb.qc.ca*

**Course Code:** *555-204*

**Course Description:** The secondary two science course covers topics related to various branches of science and technology and has been divided into four areas: The Material World, The Earth and Space, The Living World, and The Technological World.

**Course Content:**

Term 1: August 30 <sup>th</sup> – November 4 <sup>th</sup>		20 % of year
Content	Timeline (Dates)	Evaluation Methods
<b>EARTH</b> <ul style="list-style-type: none"> <li>• Earth's Spheres</li> <li>• Renewable and non-renewable energy resources</li> </ul> <b>ASTRONOMICAL PHENOMENA</b> <ul style="list-style-type: none"> <li>• Universal gravitation</li> <li>• Solar System</li> <li>• Aurora borealis, comets, meteoroids, moon phases</li> <li>• Rotation and Revolution of the Earth</li> <li>• </li> </ul>	<b>August-September 2022</b>	Students will receive a mark in each of the following competencies: practical (lab) and theory.
	<b>September-October 2022</b>	The practical competency is worth 40% of the student's term mark. Students are evaluated on work they produce during lab activities in the form of products, observations, and reports.  The theory competency is worth 60% of the student's term mark. Students are evaluated based on the following weighting:  <b>Assignments: 25%</b> <b>Tests and quizzes: 35%</b>
Term 2: November 7 <sup>th</sup> – February 3 <sup>d</sup>		20 % of year
Content	Timeline (Dates)	Evaluation Methods
<b>MATTER</b> <ul style="list-style-type: none"> <li>• Atoms, molecules, elements</li> <li>• Physical and Chemical Changes</li> </ul>	<b>November 2022</b>	Students will receive a mark in each of the following competencies: practical (lab) and theory.



<ul style="list-style-type: none"> <li>• Equipment</li> </ul> <p><b>MANUFACTURING</b></p> <ul style="list-style-type: none"> <li>• Specifications</li> <li>• Manufacturing process sheets</li> </ul> <p><b>GRAPHICAL LANGUAGE</b></p> <ul style="list-style-type: none"> <li>• Design plans</li> <li>• Construction diagram (technical diagrams)</li> </ul> <p><b>TECHNIQUES</b></p> <ul style="list-style-type: none"> <li>• Safely using machines and tools</li> <li>• Measuring and laying out</li> <li>• Machining and forming</li> </ul> <p>Assembling and Finishing</p>	<p align="center"><b>May 2023</b></p>  <p align="center"><b>May 2023</b></p>  <p align="center"><b>Ongoing throughout term</b></p>	
<p><b>RESOURCES USED: Worlds 2 (Pearson)</b></p>		
<p><b>Final Exam</b></p>	<p align="right"><b>20% of year</b></p>	

\*Course content & timelines may be adjusted as the year progresses to meet the needs of the students\*

**Communication:**

Students will be provided with a minimum of 4 communications throughout the school year.

- October 15<sup>th</sup> – Progress report
- November 20<sup>th</sup> – 1<sup>st</sup> term report card
- March 15<sup>th</sup> – 2<sup>nd</sup> term report card
- July 10<sup>th</sup> – Final report card

**General Information**

**Classroom Expectations:** In order for each student to feel safe and comfortable in the classroom, a respectful attitude is expected of all. This includes respecting one another, the classroom environment, and everyone’s right to learn. Students are expected to arrive to class on time and with all necessary materials. Students are expected to take an active role in their learning by participating in lessons and asking questions when clarification is needed. Students are expected to follow all school rules inside of the classroom.

**Absences:** Students are responsible for finding out what they have missed should they be absent. Students are responsible for getting materials (notes, assignments, etc...) that they have missed from the designated folder in the classroom or myself. Should a student miss an evaluation (lab, quiz, test, etc...) due to an absence that has been justified by a parent or guardian, they will be given an opportunity to make up the evaluation in the format of the teacher’s choosing.

**Laboratory Safety:** Students are expected to follow the general laboratory safety procedures at all times. Students will be instructed on proper laboratory safety procedures and safety rules will be posted in the lab as a reminder of appropriate behaviours and precautions to take when working in the lab. When they use instruments, tools or machines, students are

expected to be aware of the applicable safety standards and work carefully in the lab. When in doubt, they should ask the teacher or technician to confirm that they are working safely or that they are using materials properly.

**Laboratory Equipment:** Students are responsible for the equipment that they use. If equipment is intentionally broken or damaged or damaged as the result of inappropriate lab behaviour, the student is responsible for replacing it or paying the replacement fee. |