



ALTERNATIVE EDUCATION

<b>Contact Information</b>	Teacher Name: Site Phone Number: Teacher Email:
<b>Prerequisite</b>	A mark of at least 50% in Science 14.
<b>Required Materials &amp; Resources</b>	<ul style="list-style-type: none"> <li>• Four modules and four assignment books</li> <li>• Textbook: Science Connect 2, McGraw-Hill Ryerson, 2002</li> <li>• Scientific calculator recommended</li> </ul>

**Course Overview**

Science 24 consists of four units of study, as outlined below. These units emphasize the nature of science, science and technology and science in societal and environmental contexts.

Unit	Topics of Study	Weighting
A. Matter and Chemical Change	<ul style="list-style-type: none"> <li>• Useful chemistry</li> <li>• Common reactions in our lives</li> <li>• Types of chemical reactions</li> <li>• Reactions and the environment</li> </ul>	25%
B. Energy Transformations	<ul style="list-style-type: none"> <li>• Energy conversions</li> <li>• Electric energy at home</li> <li>• Energy for life</li> <li>• Fossil fuels</li> </ul>	25%
C. Disease Defence and Human Health	<ul style="list-style-type: none"> <li>• Disease</li> <li>• Society’s response to disease</li> <li>• Protecting yourself from disease</li> <li>• Genetics and health</li> </ul>	25%
D. Safety and Transportation	<ul style="list-style-type: none"> <li>• A need for safety</li> <li>• The nature of speed</li> <li>• The physics of collisions</li> <li>• The technology of safety</li> </ul>	25%

**Assessment**

The student’s grade will be calculated based on the following:

Coursework	20%
Unit Evaluations – quizzes, exams, labs, projects	80%

\*Final Grade: 100% School awarded mark.

Parents and students are encouraged to keep up to date on PowerSchool and contact their teacher if there are any issues.

<b>Important Note Regarding Assessment</b>	A wide range of assessment information is used in the development of a student's final grade. In Edmonton Catholic Schools, individualized assessments provide specific information regarding student progress and overall performance in class. Assessment may vary from student to student, differentiating for various student needs. It should also be noted that not all assignments are used to determine the final grade, and that scale factors may have been used to determine the weight of individual assignments.
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