



MARYMOUNT ACADEMY

5100 Côte St. Luc Road
 Montreal, Quebec, H3W 2G9
 Tel.: (514) 488-8144 Fax: (514) 488-8183



STANDARDS AND PROCEDURES

Department or Subject:	Science & Technology - Cycle 1, Secondary 1
Teacher(s):	J. Sivasundarampillai (Regular and IB) Email: jsivasundarampillai@emsb.qc.ca J.Faoro (Resource) Email: jfaoro@emsb.qc.ca
School Year:	2025-2026

Course Description: This course is designed to help the students develop an understanding and appreciation of Science. It is a competency-based course, meaning that the focus is more on mastering a particular course competency than conventional methods of evaluation.

Term 1 (20%) September 2-October 31		
Competencies Targeted	Evaluation Methods (e.g., End-of-term Evaluation Situation, Tests, Projects)	General Timeline (e.g., end of term, midterm, etc.)
<p>Competency 1 (60%): Seek answers or solutions to scientific or technological problems.</p> <p>Competency 2 (40%): Make the most of his/her knowledge of science and technology.</p>	<p>2-3 labs (Practical Competency)</p> <p>Begin Science Fair project (Science Fair proposal) (Practical Competency) (TBD)</p> <p>On average 1 quiz and 1 test per chapter. (Theoretical Competency)</p>	<p>September 2 – October 31st</p>
<p>Communication to Students and Parents (e.g., note home, website, agenda, report cards)</p>	<p>Other Pertinent Information</p>	
<ul style="list-style-type: none"> ● Email ● Phone calls (when necessary) ● Progress Report Card ● Term1 Report Card ● TEAMS 	<p>The Material World</p> <ul style="list-style-type: none"> ● Characteristic Properties ● Acidity/Alkalinity ● Mass ● Atom ● Volume ● Element ● Temperature ● Periodic Table ● States of Matter (Solid, Liquid, Gas) ● Molecule 	



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Term 2 (20%) November 3 – January 30		
Competencies Targeted	Evaluation Methods (e.g., End-of-term Evaluation Situation, Tests, Projects)	General Timeline
<p>Competency 1 (60%): Seek answers or solutions to scientific or technological problems.</p> <p>Competency 2 (40%): Make the most of his/her knowledge of science and technology.</p>	<p>2-3 labs (Practical Competency)</p> <p>Continue working on Science Fair project (Practical Competency) (TBD)</p> <p>Cell Analogy Project (Practical Competency)</p> <p>On average 1 quiz and 1 test per chapter. (Theoretical Competency)</p>	<p>November 3 – January 30</p>
<p>Communication to Students and Parents (e.g., note home, website, agenda, report cards)</p>	<p>Other Pertinent Information</p>	
<ul style="list-style-type: none"> ● Email ● Phone calls (when necessary) ● Term 2 Report Card ● TEAMS 	<p>The Living World</p> <ul style="list-style-type: none"> ● Habitat ● Reproductive Mechanisms in Animals ● Ecological Niche ● Characteristics of Living Things ● Species ● Plant and Animal Cells ● Population ● Photosynthesis & Respiration ● Physical and Behavioural Adaptation ● Cellular Components ● Reproductive Mechanisms in Plants ● Osmosis & Diffusion 	



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Term 3 (60%) February 2 - June 23			
Competencies Targeted	Evaluation Methods (e.g., End-of-term Evaluation Situation, Tests, Projects)	General Timeline	
<p>Competency 1 (60%): Seek answers or solutions to scientific or technological problems.</p> <p>Competency 2 (40%): Make the most of his/her knowledge of science and technology.</p>	<p>2-3 labs (Practical Competency)</p> <p>Science Fair Project due around end of February (practical competency) (TBD)</p> <p>On average 1 quiz and 1 test per chapter (Theoretical Competency)</p> <p>End-year examination</p>	<p>February 2 – June 23</p>	
Communication to Students and Parents (e.g., note home, website, agenda, report cards)	End of Year Evaluation (e.g., complementary exam, uniform exam, etc.)	Other Pertinent Information	
<ul style="list-style-type: none"> ● Email ● Phone calls (when necessary) ● Final Report card ● TEAMS 	<p>End of Year Evaluation</p> <p>A cumulative exam of all topics learned throughout the year.</p>	<p>Earth and Space</p> <ul style="list-style-type: none"> ● Internal Structure of the Earth ● Universal Gravitation ● Lithosphere ● Solar System ● Hydrosphere ● Cycles of Day and Night ● Atmosphere ● Phases of the Moon ● Tectonic Plates ● Eclipses ● Volcano ● Seasons ● Earthquakes ● Comets ● Orogenesis ● Meteoroid Impact 	<p>The Technological World</p> <ul style="list-style-type: none"> ● Specifications ● Equipment ● Design Plan ● Types of Motion ● Technical Drawing ● Effects of a Force ● Manufacturing Process Sheet ● Simple Machines ● Raw Material ● Mechanisms that transmit motions ● Material ● Mechanisms that bring about a change in motion