



Académie LaurenHill Academy

Senior Campus: 2505 Côte Vertu, St. Laurent, Québec H4R 1P3, Tel: 514.331.8781 Fax: 514.331.7145

Standards and Procedures

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| Academic Year: 2022-2023 | Department: Science |
| Subject: Environmental Science and Technology 4 | Level (Cycle and Year): Cycle 2, Year 2 |
| Teachers' Names: P. Finet, M.Glowacka, N.Pang | |

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| <u>TERM 1 (20%):</u> | | | |
| School Reporting Date(s): August 31 st , 2022 to November 4 th , 2022 | | | |
| Progress Report: October 13 th , 2022 | | | |
| Term 1 Report Card: November 18 th , 2022 | | | |
| Competency Targeted | <p>Competency 1 (C1) – Labs account for 40 % of Term Mark <i>Seeks answers or solutions to problems involving Sci. & Tech.</i> <i>Communicates ideas using language related to Sci. & Tech</i></p> <p>Competency 2 (C2) – Theory accounts for 60 % of Term Mark <i>Makes the most of his/her knowledge of Sci. & Tech.</i> <i>Communicates ideas using language related to Sci. & Tech</i></p> | | |
| Evaluation Methods/Tools | <p>C1 Labs</p> <ul style="list-style-type: none"> • Lab Reports (80 – 100 %) • Lab Tests (0 – 20 %) <p>C2 Theory</p> <ul style="list-style-type: none"> • Tests/Quizzes (90 – 100 %) • Homework/Assignments (0 – 10 %) | | |
| General Timeline | <ul style="list-style-type: none"> • Lab: every two weeks, on average • Tests/quizzes: every 2-3 weeks | | |
| Topics Covered | <table border="0"> <tr> <td> <ul style="list-style-type: none"> • Modern Model of the Atom • Isotopes • Ions • Electron Configuration • Balancing Equations • Periodic Table Families • Bonding </td> <td> <ul style="list-style-type: none"> • Periodic Trends • Naming Compounds • Calculating Average Mass • The Mole • Stoichiometry • Molarity(Concentration) </td> </tr> </table> | <ul style="list-style-type: none"> • Modern Model of the Atom • Isotopes • Ions • Electron Configuration • Balancing Equations • Periodic Table Families • Bonding | <ul style="list-style-type: none"> • Periodic Trends • Naming Compounds • Calculating Average Mass • The Mole • Stoichiometry • Molarity(Concentration) |
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| <u>TERM 2 (20%):</u> | |
| School Reporting Date(s): November 7 th , 2022 to February 10 th , 2023 | |
| Term 2 Report Card: February 24 th , 2023 | |
| Competencies Targeted | Competency 1 & 2 |
| Evaluation Methods/Tools | C1 Labs <ul style="list-style-type: none"> • Lab Reports (80 – 100 %) • Lab Tests (0 – 20 %) C2 Theory <ul style="list-style-type: none"> • Tests/Quizzes (90 – 100 %) • Homework/Assignments (0 – 10 %) • Midyear Exam (30 % of C2 Term Mark) |
| General Timeline | <ul style="list-style-type: none"> • Lab: every two weeks, on average • Tests/quizzes: every 2-3 weeks |
| Topics Covered | <ul style="list-style-type: none"> • Toxicology • Bioconcentration • Bioaccumulation • Electrolytes • pH Detail • Specific Heat Capacity • Types of chemical change • Radioactivity • Physics: Weight, Force • Work and Energy |

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| <u>TERM 3 (60%):</u> | |
| School Reporting Date(s): February 13 th , 2023 to June 22 nd , 2023 | |
| Term 3 Report Card: June 22 nd , 2023 | |
| Competencies Targeted | Competency 1 & 2 |
| Evaluation Methods/Tools | C1 Labs <ul style="list-style-type: none"> • Lab Reports (80 – 100 %) • Lab Tests (0 – 20 %) • Final Lab Exam (Percentage to be determined) C2 Theory <ul style="list-style-type: none"> • Tests/Quizzes (90 – 100 %) • Homework/Assignments (0 – 10 %) • Final exam (Percentage to be determined) |



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| <p>General Timeline</p> | <ul style="list-style-type: none"> • Lab: every two weeks, on average • Tests/quizzes: every 2-3 weeks | |
| <p>Topics Covered</p> | <ul style="list-style-type: none"> • Combination circuits (Kirchoff's Laws) • Magnetic Field Induced by a Current in a Solenoid • Contamination of Atmosphere • Ozone Depletion • Phosphorus Cycle | <ul style="list-style-type: none"> • Soil Depletion, Runoff, Eutrophication • Genetics • Protein synthesis • Mendelian Traits • Biotechnology • Mechanical Engineering • Electrical Engineering |

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| <p>Communication to Students and Parents</p> | <p>Formal communication will be done with parents using the three report cards.</p> <p>The student agenda, phone calls, emails, and Google classroom could be used to informally communicate with parents.</p> <p>Online Platform: Google classroom</p> |
| <p>Late Assignment Policy:</p> | <p>10% of the grade will be deducted per day late, up to three days after the due date. No late assignments will be accepted for grading after the third school day.</p> |
| <p>Vacation Policy:</p> | <p>Trips should be planned based on the school calendar. No academic accommodations will be made for students who miss school.</p> |