St. Thomas High School

Course Outline/Evaluation Criteria

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| **Teacher’s Name:** | Amanda Sanniti [asanniti02@lbpearson.ca](mailto:asanniti02@lbpearson.ca)  **Website:** www.sannitiscience.weebly.com | | | |
| **Course:** | **General Science and Technology** | | **Year:** | **2014-2015** |
| **Level:** | **Secondary IV** | **Program: IB IMM ENG** | | |
| **Prerequisites:** | **Science and Technology Secondary III** | | | |
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| **Objectives:** | The theme of the secondary IV Science and Technology program is the environment. Students will investigate concepts from the Living, Material, and Technological Worlds as well as Earth and Space in order to build on the knowledge constructed in previous years and to gain a better understanding of scientific and technological phenomena. The focus of this course, as opposed to other science courses offered at the cycle 2, year 2 level, provides a general overview of the applications of science in the fields of engineering, chemistry, physics and ecology. **This course is a compulsory requirement for high school graduation.** | | | |
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| **\*IBO Program** | **Approaches to Learning**  **Identities and Relationships**  **Fairness and Development**  **Globalization and Sustainability**  **Scientific and Technical innovation**  **Personal and Cultural Expression**  **Orientation in Space and Time** | | | |
| **Links to Global Contexts** |
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| **Required Text:** | **Observatory: The Environment (provided by the school)** | | | |
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| **Materials:** | Pencils/pens, erasers, etc., scientific Calculator, loose-leaf, 2” binder, clear 30 cm ruler. | | | |
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| **Detailed Evaluation Criteria/Rubrics including the value assigned to each criterion:** | **40% Practical**   * Seeks answers or solutions to scientific or technological problems. * Communicates by using the languages of science and technology.   **Activity types:** Hands-on-Inquiry based tasks related to the application of scientific knowledge (labs or designing and building projects).  A **Final Exam** will be administered at the end of the year to assess the development of this competency.  **60% Theory**   * Makes the most of his/her knowledge of science and technology. * Communicates by using the languages of science and technology.   **Activity types:** Essays explaining issues and justifying opinions, Projects, Case Studies, Examining Technical Objects, other assignments and chapter tests.  A **Midterm and Final Exam** will be administered to assess the development of this competency. The final exam is administered by the MELS and is subject to moderation. | | | |
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