**St. Thomas High School**

## **Course Outline/Evaluation Criteria**

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| **Teacher’s Name:** | **G. Griffin – ggriffin@lbpearson.ca** |
| **Course:** | **Math 5 Science Option (SN)** | **Year:** | **2017-2018** |
| **Level:**  | **Cycle 2 Year 3 (Secondary 5)** | Program: IB IMM  |
| **Prerequisites:** | Math 4 Science Option (SN) |
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| **Objectives:** | **General Objectives:*** To encourage students to take an active part in their own learning
* To encourage students to use a problem-solving approach at every stage in the learning process
* To encourage students to use *appropriate* technology
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| **\*IBO Program** | Assessment Objectives:1. Knowing and Understanding
2. Investigating Patterns
3. Communicating
4. Applying Mathematics in Real-Life Contexts
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| **Materials:** | One 200-page spiral notebook (quad paper) for notes Three quad paper copybooks for homeworkDuo-tang/Pocket folder for handoutsPencils, eraser, graph paper, ruler**Scientific non-graphing calculator for tests is required** |
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| **Evaluation Criteria:** | Evaluation:Each term students will be evaluated through the use of a minimum of 3 tests. Other evaluation methods may include: * Quizzes and homework assignments
* Projects
* Learning Evaluation Situations
* Mid-year and End of Year Application Exam
* Mid-year and End of Year Situational Problem Exam

**Breakdown of Competencies****Competency 1** (weighted 30%) – Solves a Situational ProblemThis is a dynamic process that involves constantly going back and forth among the problem-solving stages and calls for the ability to anticipate, use discernment and exercise critical judgment.**Competency 2** (weighted 70%) – Uses Mathematical ReasoningThis involves looking for patterns, describing, combining, inventing or visualizing in order to discover, verify, explain, justify, generalize or persuade. \*\* **Note**: despite each competency being weighted, grades for each competency will be reported out of 100.Missed Assignment/Test Policy:Any assignments, quizzes or tests that are missed can ONLY be made up or omitted if:a) prior arrangements were made for a predictable absenceb) evidence is supplied that the absence or tardiness was unavoidable, unpredictable and legitimateArrangements to catch up with work missed is entirely the responsibility of each student and is expected to be done, whenever possible, before the next class. **If arrangements are not made within a reasonable time (a few days back) then the opportunity is lost and the score will remain as zero.**  |

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| **Content:** | * Functions
* Optimization
* Trigonometry
* Geometry (including Conics)
* Vectors
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| **Contact Information:** | e-Mail: ggriffin@lbpearson.caWeb Page : <http://ilovemathematics.weebly.com> |