**Catholic District School Board of Eastern Ontario**

**Notre Dame Catholic High School**

***COURSE TITLE****:*  Principles of Mathematics, Grade 9, Academic

***COURSE CODE****:* MPM 1D

**Course Strands/Units:**

**Number Sense and Algebra**

Demonstrate an understanding of the exponent rules;

Manipulate numerical and polynomial expressions, and solve first-degree equations

**Linear Relationships**

To be able to investigate relationships between two variables via graphs, tables and integers;

Demonstrate an understanding of the characteristics of a linear relation;

Connect various representations of a linear relation

**Measurement and Geometry**

Determine, through investigation, the optimal values of various measurements;

Solve problems involving the measurements of two-dimensional shapes and the surface areas and volumes of three-dimensional figures;

Re-investigate angle theorems and use algebra skills to extend this knowledge with problem solving

**Course Evaluation:**

Student achievement will be based on an individual demonstration of the specific expectations. All major assignments will be evaluated by levels and/or marks. Overall grades will be determined using the students’ most consistent and in some areas most recent levels of achievements. For purposes of reporting, the percentage grade range will correspond to the following levels as defined by the board.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Level | Mark Code | Level | Mark Code | Level | Mark  Code | Level | Mark Code |
| 4+  4  4- | 95-100  87-94  80-86 | 3+  3  3- | 77-79  73-76  70-72 | 2+  2  2- | 67-69  63-66  60-62 | 1+  1  1- | 57-59  53-56  50-52 |

**Determining the Grade**

A student’s overall grade will be obtained from the following:

70% Summative Evaluation 30% Culminating activity, EQAO and Exam

**Summative Evaluation:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Term Assessment Weighting** | **70%** | **Final Assessment Weighting** | **30%** |
| All categories will be weighted equally |  | Culminating Activity  EQAO Exam | 15  TBD |
|  |  | Final Examination | TBD |

# Culminating Activity

A Culminating Activity provides an opportunity for students to synthesize and demonstrate the full breadth of their understanding of overall expectations. The task is completed over a 2.5 hour assigned morning period, involves all four categories of the achievement chart, and is authentic and related to the “real world”. Student work to be assessed must demonstrate individual achievement. As per policy of NDCHS, the Culminating and Final Exam must be attempted in order for a credit to be possible.