Delview Secondary School Department Of Mathematics

**Workplace 10 Syllabus**

# Course Rational

Learning to solve problems is the main reason for studying mathematics. In today’s technological world, many people are finding that their job demands higher levels of mathematical ability than ever before.

# Course Structure

The material for this course will be delivered in a variety of ways, the intention being to address the different learning style preferences of students enrolled in the course and at the same time, utilize suitably proven teaching methods to ensure successful concept development. It is expected that all students will endeavor to work equally well independently or collaboratively.

Workbook assignments will be given on a regular basis. On going student self-assessment will be an integral part of this course as students learn to take responsibility for their own learning.

# Course Grade

Students will be assessed and evaluated on an individual basis as outlined below:

|  |  |  |
| --- | --- | --- |
| **Category** | Description | **Weight** |
| Tests | * chapter tests * cumulative testing * midterm testing * projects | 80% |
| **Assignments**  **& Quizzes** | * homework completion * worksheets * assignments * quizzes | 20% |

# Work Habits Grade

Students are encouraged to demonstrate the kind of work habits that would be valued in any job situation. In general, qualities like punctuality, preparedness, perseverance through problem solving activities and diligence are minimum expectations in the work force.

# Materials Required For Class

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| --- | --- |
| **Required Every Class** | **Required Occasionally** |
| • 2 pencils (no erasable pens)  • good eraser  • 3-ring binder with loose-leaf paper  • scientific calculator  • ballpoint pen for marking work  • 30 cm ruler (unbroken)  • 3-ring pencil pouch | • graphing paper (always have some in binder)  • pencil crayons  • scissors  • miscellaneous minor supplies as required |

# Course Content

The Apprenticeship and Workplace 10 curriculum contains 6 main topics. The focus for this course is to give practical mathematical skills that can be used throughout life.

# Course Outline

**Topic**

Graphical Representations

Earning an income

Measurement Part 1

Measurement Part 2

Trigonometry of Right Triangles

Statistics

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