

Course Code: **MPM1D**

Unit: **Numeracy**

Date: September '07

Teacher(s): Shuster/Mohamed

Essential Outcomes	Assessment "HOW do we know it has been learned"	Comments and Feedback on Assessment	Resources
INTEGERS (adding, subtracting, multiplying & dividing)			
RATIONAL NUMBERS (adding, subtracting, multiplying & dividing)			
PERCENTS			
student is able to convert between ratios, decimals and percents			
student is able to find the percent of a number			
student is able to find the "out of" number based on a percent			
student is able to find the percent increase or decrease			
student is able to solve word problems involving percents			
RATIOS, RATES & PROPORTIONS			
student is able to set up ratios and reduce to simplest form			
student is able to set up and solve a proportion based on 2 and 3 term ratios			
student is able to solve word problems, including "the whole" problems.			
student is able to find the unit rate			
student is able to make comparisons using unit rates			
student is able to solve problems involving rates			
BEDMAS			

Course Code: **MPM1D**

Unit: **Powers & Roots**

Date: September '07

Teacher(s): Shuster/Mohamed

Essential Outcomes	Assessment "HOW do we know it has been learned"	Comments and Feedback on Assessment	Resources
MULTIPLYING & DIVIDING POWERS			
POWER OF A POWER			
SQUARES & SQUARE ROOTS			
PYTHAGOREAN THEOREM			

Course Code: **MPM1D**

Unit: **Algebraic Operations & Equations**

Date: September '07

Teacher(s): Shuster/Mohamed

Essential Outcomes	Assessment "HOW do we know it has been learned"	Comments and Feedback on Assessment	Resources
COMBINING LIKE TERMS (identifying and collecting like terms)			
SOLVING EQUATIONS ALGEBRAICALLY (one step & multi-step)			
SOLVING WORD PROBLEMS ALGEBRAICALLY			

Course Code: **MPM1D**

Unit: **Polynomials**

Date: September '07

Teacher(s): Shuster/Mohamed

Essential Outcomes	Assessment "HOW do we know it has been learned"	Comments and Feedback on Assessment	Resources
POLYNOMIAL TRAITS (terms, coefficients, variables, constants)			
ADDING & SUBTRACTING POLYNOMIALS			
MULTIPLYING & DIVIDING POLYNOMIALS			
EXPANDING AND SIMPLIFYING POLYNOMIAL EXPRESSIONS			

Course Code: **MPM1D**

Unit: **Relationships & Slope**

Date: September '07

Teacher(s): Shuster/Mohamed

Essential Outcomes	Assessment "HOW do we know it has been learned"	Comments and Feedback on Assessment	Resources
CREATING GRAPHS (scales & labels)			Algebra with Pizzazz! Activity
DESCRIBING MOTION GRAPHS (d-t graphs)			
DIRECT VS. PARTIAL VARIATION			
PLOTTING POINTS ON THE CARTESIAN PLANE			
CALCULATING THE SLOPE OF A LINE SEGMENT (from the graph)			
GRAPHING EQUATIONS (using T of V - linear & non-linear)			

Course Code: **MPM1D**

Unit: **The Line**

Date: September '07

Teacher(s): Shuster/Mohamed

Essential Outcomes	Assessment "HOW do we know it has been learned"	Comments and Feedback on Assessment	Resources
SKECHING $y=mx+b$ (without ToFV)			
INTERPRETING REAL LIFE LINEAR RELATIONS			
DETERMINING THE EQUATION OF A LINE (from a graph with m & b)			
DETERMINING THE EQUATION OF A LINE (substitution & solving)			
VERIFYING THAT A POINT SATISFIES AN EQUATION			
DETERMINING THE x & y INTERCEPTS (given the eqn of a line)			
SLOPES OF PARALLEL & PERPENDICULAR LINES			
CONVERTING TO AND FROM STANDARD FORM			
INTERPRETING (graphically) THE INTERSECTION OF 2 LINES			

Course Code: **MPM1D**

Unit: **Measurement**

Date: September '07

Teacher(s): Shuster/Mohamed

Essential Outcomes	Assessment "HOW do we know it has been learned"	Comments and Feedback on Assessment	Resources
PERIMETER & AREA OF COMPOSITE FIGURES			
SURFACE AREA AND VOLUME OF PRISMS			
SURFACE AREA AND VOLUME OF A CYLINDER			
SURFACE AREA AND VOLUME OF A PYRAMID AND CONE			
SURFACE AREA AND VOLUME OF A SPHERE			

Course Code: **MPM1D**

Unit: **Geometry**

Date: September '07

Teacher(s): Shuster/Mohamed

Essential Outcomes	Assessment "HOW do we know it has been learned"	Comments and Feedback on Assessment	Resources
MEDIANS OF TRIANGLES			
ALTITUDES OF TRIANGLES			
ANGLE PROPERTIES OF TRIANGLES AND QUADRILATERALS			
PROPERTIES OF QUADRILATERALS			