MATH 10-3

COURSE OUTLINE

Want to learn a trade? Or maybe you just want to finish high school and start working. This skill-building course is designed to prepare you for the everyday challenges that you face in math. Get the best deals when you go shopping, redecorate a room in your house, budget for your dream vacation; adapt recipes for different group sizes and so much more. This course is also ideal for students wishing to enter the trades. Math 10-3 and Math 20-3 meet the minimum math required for an Alberta high school diploma.

Units
Measurement (33%) Develop spatial sense through direct and indirect measurement. ● Demonstrate an understanding of the imperial and metric (SI) system, convert between units. ● Describe the relationship between units for length, perimeter, area, volume, capacity and temperature. ● Solve and verify problems using fractions and decimals with linear measurements. ● Solve and verify problems using fractions and decimals with 2D and 3D shapes (regular, composite and irregular).
Number (34%) Develop number concepts and critical thinking skills. ● Demonstrate an understanding of income. ● Solve problems that involve unit pricing, currency exchange and proportional reasoning.
Geometry (33%) Develop spatial sense. ● Analyze puzzles and games that involve spatial awareness. ● Demonstrate an understanding of Pythagorean formula by identifying right triangles, solving triangles and problems. ● Demonstrate an understanding of similarity of polygons. ● Demonstrate an understanding of sine, cosine and tangent ratios in similar triangles and using the ratios to solve problems.

COURSE EVALUATION

100%.....Unit Marks

a) In class work (HW) ……..… 50%

b) *Summative Assessment* ……..……... 50%