



CROCUS PLAINS REGIONAL SECONDARY SCHOOL COURSE OUTLINE AND ASSESSMENT GUIDE

Course Name: Essential Mathematics 40S (MES40S)

Teacher's Name: Mr. Solomon

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Course Description:

- Grade 12 Essential Mathematics (40S) is intended for students whose post-secondary planning does not include a focus on mathematics and science-related fields. The learning outcomes emphasize consumer applications, problem solving, decision making, and spatial sense. Students are expected to demonstrate a consistent effort throughout the school term and a commitment to completing quality work on a daily basis.

Areas of Study

Unit Title	Learning Outcomes	Assessment Plan	Proposed Time
Unit 1: Measurement & Geometry	12E5.P.1. Demonstrate an understanding of the limitations of measuring instruments, including: - precision - accuracy - uncertainty - tolerance 12E6.G.1. Solve problems by using the sine law and cosine law, excluding the ambiguous case. 12E6.G.2. Solve problems that involve: - triangles - quadrilaterals - regular polygons	<u>Formative Assessment</u> May include: - Textbook Assignments - Mental Math - Quizzes - Math Journals - Conferencing - Group Discussions - Observations <u>Summative Assessment</u> May include: - Tests - Portfolios - Projects - Assignments	20 days
Unit 2: Vehicle, Home and Business Finance	12E5.V.1. Solve problems that involve the acquisition, operation and maintenance of a vehicle, when buying	<u>Formative Assessment</u> May include: - Textbook Assignments - Mental Math	25 days



	• leasing • leasing to buy. 12E6.H.1. Solve problems involving the purchase and maintenance of a house. 12E6.B.1. Critique the viability of small business options by considering: • expenses • sales • profit or loss. 12E6.B.2. Demonstrate an awareness of the government taxation forms and procedures involved in owning a business.	• Quizzes • Math Journals • Conferencing • Group Discussions • Observations <u>Summative Assessment</u> May include: • Tests • Portfolios • Projects • Assignments	
Unit 3: Statistics & Probability	12E5.S.1. Solve problems that involve measures of central tendency, including: • mean • median • mode • weighted mean • trimmed mean. 12E5.S.2. Analyze and describe percentiles. 12E6.P.1. Analyze and interpret problems that involve probability.	<u>Formative Assessment</u> May include: • Textbook Assignments • Mental Math • Math Journals • Conferencing • Group Discussions • Observations <u>Summative Assessment</u> May include: • Tests • Portfolios • Projects • Assignments	20 days
Unit 4: Career-Life	12E5.C.1. Create a plan for the future including possible career choices and their requirements.	<u>Formative Assessment</u> • Textbook Assignments <u>Summative Assessment</u> • Career-Life Project	10 days



Assessment Breakdown

- **10% Career-Life project** – Here, students formalize a plan for life after high school.
- **30% Assignments** – I allow students to redo assignments as many times as needed so, please encourage your child to take advantage of this opportunity.
- **40% Tests** – Each unit will have a quiz and a test to check comprehension.
- **20% Provincial Final Exam** – This exam is mandated by the province and covers the full course content.

Exam date for Semester 1 students: January 27, 2027

Exam date for Semester 2 students: June 16, 2027

Learning Behaviours

Assessment and reporting of learning behaviors will be according to the Brandon School Division Learning Behaviors Rubric.