



**CROCUS PLAINS REGIONAL SECONDARY SCHOOL
COURSE OUTLINE AND ASSESSMENT GUIDE**

Course Name: Essential Mathematics 40S (MES40S)

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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.

Units of Study

Unit Title	Learning Outcomes	Assessment Plan	Proposed Time
Unit 1: Measurement & Geometry	<p>12E5.P.1. Demonstrate an understanding of the limitations of measuring instruments, including:</p> <ul style="list-style-type: none">• precision• accuracy• uncertainty• tolerance <p>12E6.G.1. Solve problems by using the sine law and cosine law, excluding the ambiguous case.</p> <p>12E6.G.2. Solve problems that involve:</p> <ul style="list-style-type: none">• triangles• quadrilaterals• regular polygons	<p><u>Formative Assessment</u> May include:</p> <ul style="list-style-type: none">• Textbook Assignments• Mental Math• Quizzes• Math Journals• Conferencing• Group Discussions• Observations <p><u>Summative Assessment</u> May include:</p> <ul style="list-style-type: none">• Tests• Portfolios• Projects• Assessment Activities	20 days



<p>Unit 2: Finance</p>	<p>12E5.V.1. Solve problems that involve the acquisition, operation and maintenance of a vehicle, when</p> <ul style="list-style-type: none"> • buying • leasing • leasing to buy. <p>12E6.H.1. Solve problems involving the purchase and maintenance of a house.</p> <p>12E6.B.1. Critique the viability of small business options by considering:</p> <ul style="list-style-type: none"> • expenses • sales • profit or loss. <p>12E6.B.2. Demonstrate an awareness of the government taxation forms and procedures involved in owning a business.</p>	<p><u>Formative Assessment</u> May include:</p> <ul style="list-style-type: none"> • Textbook Assignments • Mental Math • Quizzes • Math Journals • Conferencing • Group Discussions • Observations <p><u>Summative Assessment</u> May include:</p> <ul style="list-style-type: none"> • Tests • Portfolios • Projects • Assessment Activities 	<p>25 days</p>
<p>Unit 3: Statistics & Probability</p>	<p>12E5.S.1. Solve problems that involve measures of central tendency, including:</p> <ul style="list-style-type: none"> • mean • median • mode • weighted mean • trimmed mean. <p>12E5.S.2. Analyze and describe percentiles.</p> <p>12E6.P.1. Analyze and interpret problems that involve probability.</p>	<p><u>Formative Assessment</u> May include:</p> <ul style="list-style-type: none"> • Textbook Assignments • Mental Math • Math Journals • Conferencing • Group Discussions • Observations <p><u>Summative Assessment</u> May include:</p> <ul style="list-style-type: none"> • Tests • Portfolios • Projects • Assessment Activities 	<p>20 days</p>



Unit 4: Career-Life	12E5.C.1. Create a plan for the future including possible career choices and their requirements.	<u>Formative Assessment</u> <ul style="list-style-type: none">• Textbook Assignments <u>Summative Assessment</u> <ul style="list-style-type: none">• Career-Life Project	10 days
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Assessment Guidelines

There are various purposes for assessment:

- ☐ Assessment *for* learning (**formative assessment**): where assessment helps teachers gain insight into what students understand in order to plan and guide instruction, and provide helpful feedback to students.
- ☐ Assessment *of* learning (**summative assessment**): where assessment informs students, teachers and parents, as well as the broader educational community, of achievement at a certain point in time in order to celebrate success, plan interventions and support continued progress.

Academic Achievement

Grades will be calculated on summative assessment information only. The final calculation will be a fair reflection of a student's achievement of the learning outcomes.

Tests/Projects.....70%

Career Life Project10%

Final Assessment20%

- Provincial Exam
- Wednesday January 21st 2026 at 9:00 am

Learning Behaviours

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