CROCUS PLAINS REGIONAL SECONDARY SCHOOL
COURSE OUTLINE AND ASSESSMENT GUIDE

Course Name: Essential Mathematics 30S (MES30S)

Teacher's Name: *J. Slator*

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Course Description:

- Grade 11 Essential Mathematics (30S) 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 daily.

Unit Title	Learning Outcomes	Proposed Time (based on ~ 75 school days)
Analysis of Numbers	Analyze puzzles and games that involve spatial reasoning, using problem-solving strategies.	Integrated over whole semester
Interest and Credit	Demonstrate an understanding of compound interest. Demonstrate an understanding of credit options, including: ** credit cards* ** loans* Solve problems that require the manipulation and application of formulas related to: ** simple interest* ** finance charges*	Approx. 10 days
3-D Geometry	Solve problems that involve SI and imperial units in surface area measurements Solve problems that involve SI and imperial units in volume and capacity measurements. Solve problems that require the manipulation and application of formulas related to: **volume and capacity* **surface area*	Approx. 10 days
Statistics	Solve problems that involve creating and interpreting graphs, including: **bar graphs* **histograms* **line graphs* **circle graphs*	Approx. 10 days
Managing Money	Solve problems that involve personal budgets Demonstrate an understanding of financial institution services used to access and manage finances	Approx. 10 days

Relations and Patterns	Demonstrate an understanding of slope: ** as rise over run* ** as rate of change* ** by solving problems* Solve problems by applying proportional reasoning and unit analysis Solve problems that require the manipulation and application of formulas related to slope and rate of change Solve problems that involve scale Demonstrate an understanding of linear relations by: ** recognizing patterns and trends* ** graphing* ** creating tables of values* ** writing equations* ** interpolating and extrapolating* ** solving problems*	Approx. 10 days
Trigonometry	Solve problems that involve two and three right triangles	Approx. 10 days
Design Modelling	Model and draw 3-D objects and their views Draw and describe exploded views, component parts, and scale diagrams of simple 3-D objects	Approx. 10 days

Course Evaluation Structure:

Minor Unit Summative Assessments	20%
Major Unit Summative Assessments	60%
Final Summative Exam	20%

Please note that assessments may be cumulative

You will be provided with regular updates of your cumulative mark. If, at any time, you have questions about your mark, please see me immediately.

Overall Expectations:

- Your behaviour must not interrupt the teacher from giving the lesson or disrupt any other student's opportunity to learn.
- Take responsibility for your own learning; hand in assignments on time, if you are going to miss class be proactive, late assignments and absences will follow the school policy.