SOUTH CARLETON HIGH SCHOOL **Ottawa-Carleton District School Board** STUDENT OUTLINE **MAT2L** Mathematics (Locally Developed Compulsory Courses) ESSENTIALS 10		
Credit Value: 1 credit	Hours: 110	Prerequisite: MAT1L

Expectations
This course provides students who have experienced significant difficulties in previous Mathematics courses with an opportunity to obtain sufficient background and skill development to proceed to the Grade 11 and 12 Workplace Preparation Courses.

Course Expectations

Strand	Overall Expectations
Number Sense and Algebra	Understand exponent rules of multiplication and division: simplify expressions: manipulate numerical and polynomial expressions; solve first degree problems
Linear Relations	Investigate relationships between 2 variables; demonstrate understanding of characteristics of linear relations; connect various representations of linear relations
Measurement and Geometry	Investigate optimal values of various measurements; solve problems with measurement of 2-D shapes and surface area/volume of 3-D figures; verify geometric properties and relationships of 2-D shapes and apply to problems
Analytic Geometry	Investigate relationship between equation and shape of its graph (linear and non-linear); properties of slope and y-intercept in linear relation; solve problems involving linear relations

Accommodations for Exceptional Students
The Mathematics department makes every effort to accommodate the identified needs of exceptional (IPRC'd) students and will attempt to differentiate curriculum delivery methods, student modes of expression, and assessment methods as recommended by the student's individual education plan (EIP).

Career Planning
The Mathematics department makes every effort to ensure students are aware of career opportunities related to various fields of Mathematics. In particular, the teacher will help the student to be aware of "real world" applications of the topics presented in this course.

Technology, Teaching Strategies, and Textbooks
Students will have the opportunity to use available software in Mathematics appropriate to the course including software packages: Zap-a-Graph, MathTrek and Geometer's Sketchpad. Graphing calculators will also be available to the students.

Calculators Each student requires a ***calculator*** that will be used on a daily basis. Graphing calculators will be supplied when required.

Resources ***Math Essentials 10****,* McGraw-Hill Ryerson

Evaluation

Term reports	Final Report	
Students will be evaluated on the overall expectations listed above. Evaluations will cover a balance of Knowledge & Understanding, Application, Communication, Thinking, Inquiry and Problem Solving.	Term Summative task(s) ** **100%** *There will be no final exam in this class*	70% 30%

More information on South Carleton High School's policy on Assessment and Evaluation and on Academic Integrity can be accessed on our school website.

Please see **Student Planner** for policies on punctuality, absenteeism and examinations, and other student responsibilities.