

CREDIT RECOVERY

MATHEMATICS

MFM2P

STUDENT WORKBOOK

Credit Recovery: Student Information

Background

Research shows that the accumulation of credits in Grades 9 and 10 is an important predictor of student success. To this end, the Ministry of Education empowers principals to grant credits when students demonstrate course expectations in a setting other than the “regular” classroom.

Purpose

Credit Recovery is an in-school opportunity for success. In a Credit Recovery program, students are able to “recover” a credit they have missed. Credit Recovery takes place in a supportive environment, where students are often registered in a Learning Strategies course as well. This not only allows the student to recover the credit and move on, but also helps the student develop the skills and work habits that will contribute to his or her continued success.

Teaching Approach

Although students have the support of a teacher, credit recovery requires a considerable amount of independent learning. For this reason, it is crucial that students take responsibility for their own learning through consistent attendance and effective study habits.

Time

Each course consists of about 20 lessons and requires approximately 25–30 hours of instructional time.

Guiding Principles

1. Credit Recovery courses target the achievement of overall curriculum expectations and aim to provide a foundation for success in subsequent courses. Hence, these courses have been streamlined.
2. Research shows that learning is improved when students understand how they learn and are able to reflect on their progress. Therefore, students are asked to explain and reflect on what they have learned.
3. The course of study begins with the final Culminating Performance Task. Because success in this final evaluation task is the overall goal, the course is set up to prepare students for its successful completion.

Course Map

Enduring Understandings

Students should demonstrate the ability to:

1. judge the reasonableness of answers
2. demonstrate facility with operations
3. communicate solutions to questions in an organized and concise manner
4. use a variety of models to support problem solving in various topics

Unit 1 7 Hours	Unit 2 3.5 Hours	Unit 3 4 Hours	Unit 4 5.5 Hours	Final Evaluation 2 Hours
<p>Title: Algebraic Skills</p> <ul style="list-style-type: none"> • Solving Equations, Part 1 • Solving Equations, Part 2 • Binomial Expressions • Common Factoring • Factoring Trinomials and Difference of Squares <p>Unit Evaluation:</p> <ul style="list-style-type: none"> • Student Handout 	<p>Title: Linear Relationships and Equations</p> <ul style="list-style-type: none"> • Equations of Lines, Part 1 • Equations of Lines, Part 2 • Linear Systems <p>Unit Evaluation:</p> <ul style="list-style-type: none"> • Student Handout • Reflective Activity 	<p>Title: Exploring Quadratics</p> <ul style="list-style-type: none"> • Parabola $y = a(x - p)^2 + q$ • Parabolas crossing the x-axis and y-axis • Solving Quadratic Relations <p>Unit Evaluation:</p> <ul style="list-style-type: none"> • Student Handout • Reflective Activity 	<p>Title: Measurement and Trigonometry</p> <ul style="list-style-type: none"> • Similar Triangles • Ratios of Sides of Right-Angle Triangles • Primary Trig. Ratios • Solving Problems, Using Trigonometric Ratios and the Pythagorean Theorem <p>Unit Evaluation:</p> <ul style="list-style-type: none"> • Student Handout 	<p>Brief description of task(s):</p> <p>Unit 1: a variety of knowledge-based questions</p> <p>Units 2 – 4: application questions that also address communication and thinking expectations</p>

***** **70%** ***** ----- **30%** -----

MFM 2P Course Checklist

Student's Name: _____

Unit	Lesson	Task	Date	Completed
1		ALGEBRAIC SKILLS		
1		Diagnostic Activity Part A and B		
1	1Part 1	Solving Equations Lesson & Assessment		
1	1Part 2	Solving Equations Lesson & Assessment		
1	2	Binomial Expressions Lesson		
1	3	Common Factoring Lesson		
1	4	Factoring Trinomials Lesson & Assessment		
2		LINEAR RELATIONSHIPS & EQUATIONS		
2		Diagnostic Activity		
2	1	Equations of Lines -1 Lesson & Assessment		
2	2	Equations of Lines -2 Lesson & Assessment		
2	3	Linear Systems Lesson & Assessment		
2		Reflective Activity		
3		EXPLORING QUADRATICS		
3	1	Parabolas $y=(x-p)^2 +q$ Lesson & Assessment		
3	2	Parabolas cross axes Lesson & Assessment		
3	3	Solving Quadratics Lesson & Assessment		
3		Reflective Activity		
4		MEASUREMENT AND TRIGONOMETRY		
4	1	Similar Triangles Lesson & Assessment		
4	2	Ratios of Sides Lesson & Assessment		
4	3	Primary Trig Ratios Lesson & Assessment		
4	4	Solving Problems Lesson & Assessment		
		CULMINATING ACTIVITY		
		EXIT INTERVIEW		

Credit successfully recovered?

Yes

No

Teacher's signature: _____

Date _____