



**ACADEMIC FOUNDATIONS PROGRAM  
GREGOIRE LAKE LEARNING CENTRE  
Fall 2013**

**AFM 006 Section G  
ENTRY MATH**

*6 credits, 16 weeks, 8 hours/week*

Math 006 is a program designed to teach adults numeracy and basic mathematic skills from a beginning level to an intermediate level. Delivery of instruction varies from individual to small group learning depending on the learners in the class. A variety of reading materials and techniques is used to accommodate the individual needs of the students.

Topics include

- the four operations using whole numbers
- exponents, order of operations and factoring
- the four operations using fractions
- the four operations using decimals
- measurement, converting units of measurement.

**Class Hours:** Monday: 9:00 – 11:00 and 12:00 – 1:00;  
Wednesday: 1:00 – 4:00  
Thursday: 9:00 – 11:00

**Instructor:** Melodee Helgason  
**Telephone:** 334-2559 Office  
838-4361 Cell (leave message)  
**E-Mail:** [melodee.helgason@keyano.ca](mailto:melodee.helgason@keyano.ca)

**Office Hours:** Monday and Thursday 11:00 – 12:00 and 3:30 – 4:00  
Tuesday and Wednesday 12:00 – 1:00

**Required/Recommended Resources:**

- Text book: Stepping it Up: Preparing for College Math, Keyano College Math 006
- Workbooks will be determined by the instructor to fit the student's individual reading level.
- Binder, lined paper, graph paper, pens/pencils

**Learner Outcomes:**

Upon successful completion of Math 006, students should be able to...

**Number Strand**

- accurately perform the operations of addition, subtraction, multiplication and division using whole numbers, fractions and decimals (without the use of technology).
- create and solve problems in context that involve the four operations using whole numbers, fractions, and decimals.
- apply the rules for the order of operations to solve multi-step problems using whole numbers, fractions and decimals.

**Patterns and Relations Strand**

- determine the pattern rule to make predictions about subsequent elements.
- represent and describe patterns and relationships using line graphs and tables.
- create a table of values to record and reveal a pattern to solve a given problem.
- express a given problem as an equation in which a letter variable is used to represent an unknown number.
- solve problems involving single-variable, one-step equations with whole number co-efficients.

**Shape and Space Strand**

- demonstrate an understanding of measuring length using mm, cm, and m units.
- apply a formula for determining the perimeter of polygons and the area of rectangles.

**Statistics and Probability Strand**

- create a line graph from a given table or set of data and interpret to draw conclusions.
- demonstrate an understanding of central tendency and range by determining the mean, median, and mode for a given set of data (limited to whole numbers and decimals).

**Evaluation:**

This grade will be based on the following:

Assignments	<b>20%</b>
Unit Tests	<b>50%</b>
Final Exam	<b><u>30%</u></b>
Total	<b>100%</b>

Your final transcript grade will be indicated by a “**Pass**” or “**Fail**”.

**Keyano College Grading System: Credit Calendar page 32**

The student must attain a Grade in excess of 64%, or a 1.7 on the 4.0 Grade Scale, to assure progression.



### **Classroom Expectations:**

In order to make the learning center a happy and productive place to learn, each student is expected to:

- attend classes regularly;
- arrive to school on time;
- phone the learning center to notify the instructor should she/he be unable to attend classes that day;
- limit the use of the school telephone to short important phone calls;
- keep her/his work table tidy;
- wash her/his own dishes;
- wear indoor shoes or slippers to help keep the classroom floors clean;
- show respect to fellow students and contribute to maintaining a peaceful learning atmosphere.

### **Student Rights and Responsibilities**

Students should be aware of their rights and responsibilities as laid out in the *Keyano College Credit Calendar 2013-2014*, on pages 36-40, or as included in the student package.

In order to “refrain from unduly disturbing, disrupting or otherwise interfering with studies...” (*KCCC, 2013/2014*, p. 37), students should turn cell phones and pagers off when they come to class, and refrain from bringing children or other visitors to class.

### **Learner Assistance Program (LAP):**

If you have been diagnosed with a learning disability in the past, or feel that you would benefit from some assistance from a disabilities counselor, please call 780-792-5608 to book an appointment. In order to provide effective service, students are advised to address learner assistance issues at the beginning of the semester. Services and accommodations are intended to assist students in the course, while maintaining the academic standards of Keyano College. The LAP can be of assistance to you in disclosing your disability to your instructor, receiving accommodations, and your overall success at Keyano College.

**Proposed Schedule:**

<b>WEEK</b>	<b>DATES</b>	<b>MODULE</b>	<b>TOPIC</b>	<b>TESTS</b>
1-3	<b>Sept 4 - 19</b>	1	1.Introduction to Whole Numbers. 2.Addition and Subtraction of Whole Numbers. 3.Multiplication & Division.	<b>Sept 19</b>
4 - 6	<b>Sept 23- Oct 11</b>	2	Exponents Order of Operations Factoring	<b>Oct 11</b>
7 - 9	<b>Oct 14 – Nov 1</b>	3	Fractions :Introduction to Fractions Addition, Subtraction, Multiplication & Division.	<b>Nov 1</b>
10 - 12	<b>Nov 4 - 22</b>	4	Introduction to Decimals Addition & Subtraction of Decimals Multiplication & Division of Decimals	<b>Nov 22</b>
13 – 15	<b>Nov 25 – Dec 9</b>	5	Measurement: U.S customary units. Metric – length, volume, weight. Converting units. Applied problems.	<b>Dec 9</b>
15	<b>Dec 10 - 12</b>	<b>Review</b>		
16	<b>Dec 13 - 18</b>	<b>Final Exam</b>		<b>Mon. Dec 16</b>

### Important College Dates:

<b>FALL</b>	Tuesday, September 3, 2013	<ul style="list-style-type: none"> <li>• Orientation Day</li> </ul>
	Wednesday, September 4, 2013	<ul style="list-style-type: none"> <li>• Fall Semester begins</li> </ul>
	Tuesday, September 10, 2013	<ul style="list-style-type: none"> <li>• Last day to add course(s) for academic programs</li> <li>• Fall Semester fees due</li> </ul>
	Wednesday, September 11, 2013	<ul style="list-style-type: none"> <li>• Winter late fee applied</li> </ul>
	Tuesday, September 17, 2013	<ul style="list-style-type: none"> <li>• Last day to drop for academic programs</li> </ul>
	Friday, September 20, 2013	<ul style="list-style-type: none"> <li>• Fall Awards application deadline</li> </ul>
	Friday, October 11, 2013	<ul style="list-style-type: none"> <li>• Last day to withdraw from course(s) with 50% refund of tuition fees</li> </ul>
	Monday, October 14, 2013	<ul style="list-style-type: none"> <li>• College closed (Thanksgiving Day)</li> </ul>
	Friday, October 25, 2013	<ul style="list-style-type: none"> <li>• Last day to withdraw without academic penalty</li> </ul>
	Monday, November 11, 2013	<ul style="list-style-type: none"> <li>• No classes (Remembrance Day)</li> </ul>
	Tuesday, December 3, 2013	<ul style="list-style-type: none"> <li>• Fall Awards Celebration</li> </ul>
	Thursday, December 12, 2013	<ul style="list-style-type: none"> <li>• Last day of classes for Academic Upgrading</li> </ul>
	December 13 - 18, 2013	<ul style="list-style-type: none"> <li>• Final Exams for Academic Upgrading</li> </ul>
Friday, December 20, 2013	<ul style="list-style-type: none"> <li>• End of Fall Semester</li> </ul>	



**Authorization:**

This course outline has been authorized by the following individuals:

M. Helgason \_\_\_\_\_  
(Instructor)

Janet Lowndes \_\_\_\_\_  
(Chair)

Guy Harmer \_\_\_\_\_  
(Dean)

Course Outline Effective Date: September 4, 2013