



**Gifted LearningLinks Program
Course Syllabus**

**Instructor name: Kelly Lewis
E-mail address: xxx@xxx.xxx**

Course Title: Pre-Algebra I

Session Date: *Enrichment 2010-2011*

Course Description:

Areas of study include variables, expressions, and integers, solving equations and inequalities, factors, fractions, and exponents, rational numbers, ratio and proportions, and percents. Students share ideas while looking for alternative ways to solve problems more efficiently or with more complexity, depending on the focus. This course provides a building block for Algebra Honors.

Outcomes: Upon successful completion of this course, students will:

- *Know how to simplify variable expressions*
- *Understand how to use integers*
- *Understand how to use fractions*
- *Know how to convert from fractions, decimals, and percents*
- *Know how to solve equations and inequalities in one variable*
- *Know how to use proportions to solve problems*
- *Understand how to use percents*

Resources and Materials:

McDougal Littell: Pre-Algebra

http://www.classzone.com/cz/books/pre_alg/book_home.htm?state=MN

CTD Statement on Third-Party Web Sites

Instructors are required to thoroughly review any third-party web sites they intend to use in their courses for inappropriate content. However, because web content continuously changes, CTD disclaims any responsibility for any of the content contained on third-party web sites used in course materials. If you become aware of anything that may be inappropriate, please notify CTD staff immediately.

Schedule:

	Topic/Focus	Activities & Reading Assignments	What do I need to post to the Discussion Board?	What do I need to complete on Blackboard?
Week 1	Orientation to Online Learning Variables, Expressions, Integers	Get familiar with the online environment Chapter 1	Introduce yourself! Week 1 Discussion Week 1 Response	1.1 to 1.4 Quiz 1.5 to 1.7 Quiz Unit 1/Ch 1 Test
Week 2	Factors, Fractions, and Exponents	Chapter 4	Week 2 Discussion Week 2 Response	4.1 to 4.4 Quiz 4.5 to 4.7 Quiz Unit 2/Ch 4 Test
Week 3	Rational Numbers	Chapter 5	Week 3 Discussion Week 3 Response	5.1 to 5.3 Quiz 5.4 to 5.5 Quiz Unit 5/Ch 5 Test
Week 4	Solving Simple Equations and Inequalities	Chapter 2 and 3	Week 4 Discussion Week 4 Response	2.1 to 2.2 Quiz 2.3 Quiz 2.4 Quiz 2.5 and 2.6 Quiz 2.7 Quiz 3.4 and 3.5 Quiz Unit 4/Ch 2 Test
Week 5	Solving Multi-Step Equations and Inequalities	Chapter 3	Week 5 & 6 Discussion	3.1 Quiz 3.2 Quiz 3.3 Quiz Unit 5/Ch 3 Test

	Topic/Focus	Activities & Reading Assignments	What do I need to post to the Discussion Board?	What do I need to complete on Blackboard?
Week 6	Solving Multi-Step Equations and Inequalities	Chapter 3 and 5	Week 5 & 6 Response	3.6 Quiz 5.6 to 5.7 Quiz Unit 6/Ch 3 & 5 Test
Week 7	Ratio and Proportion	Chapter 6	Week 7 Discussion Week 7 Response	6.1 to 6.3 Quiz 6.4 to 6.6 Quiz Unit 7/Ch 6 Test
Week 8	Percents, Fractions, and Decimals	Chapter 7	Week 8 Discussion Week 8 Response	7.1 to 7.3 Quiz 7.4 to 7.6 Quiz Unit 8/Ch 7 Test
Week 9	Final Project		NONE	Formula Sheets Final Project

Student Evaluation and Grading Policies for Credit Courses Only:

Enrichment students will receive a final narrative evaluation after the course is complete.

Homework/Discussion Board: 20% of grade

Quizzes: 30% of grade

Tests: 50% of grade

Instructor Biography:

- 5 years teaching in-person and online courses 5th to higher education.
- Online course designer for two years
- Bachelor of Science in Secondary Mathematics from Louisiana State University, 2005
- Master of Science in Curriculum, Instruction, and Assessment from Walden University, 2009

Contact Information: *The best way to reach me is by email: xxx@xxx.xxx*