Gifted LearningLinks Program
Enrichment
Course Syllabus Template

Instructor name: Kely Lewis
E-mail address: xxx@xxx.xxx

Course Title: Pre-Algebra Preparation: Geometry & Measurement

Session Date: Fall, Winter, Spring 2011-12

Course Description:

Linked to the national core standards, this Pre-Algebra Preparation course provides a rigorous foundation in elementary mathematics. Through exploration, practice and application, students develop skills to deepen their understanding of mathematical ideas and apply them to real world settings.

Notes:

- Students may participate in any or all of these courses beginning in any session.
- Completion of all three (see 164, 165, 166) prepares students for Pre-Algebra (see courses 167-169).

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

- *Know the basic geometric terms and shapes*
- *Understand the different properties of the basic geometric terms and shapes*
- *Understand the difference between customary and metric units*
- *Understand how to convert between units within customary units and the metric system*
- *Understand symmetry and translations*
- *Understand how to find perimeter, area, and volume*
- *Understand how the coordinate plane is designed and how to plot points*

Resources and Materials:

Envision Math (Grade 6)
Author: Charles Edition: 2011
Publisher: Prentice Hall School Division
(textbook is optional)

Third Party Web Sites:

While a staff member (which includes but is not limited to instructors, teaching assistants, residential staff, office staff) may use or refer students to third-party web sites for instructional purposes, s/he is required to review thoroughly any such web sites for inappropriate content before referencing them. This includes clicking on all links contained in any such web site, reviewing the materials

contained on every page within a web site, and ensuring that the web site does not provide links to other inappropriate web sites. If there is any doubt about whether something is appropriate, a staff member is instructed to err on the side of caution and not use the web site or check with a CTD supervisor. If a referenced third-party web site is later determined to contain inappropriate content, the staff member may be subject to discipline.

Schedule:

	Topic/Focus	Activities & Reading Assignments	What do I need to complete on Blackboard?
Week 1	Geometry: Points, Lines, Planes, Line Segments, Rays, and Angles	Introduction videos/links Interactive Activity Independent Practice (optional) Math Journal Course Portfolio Test	Interactive Activity Math Journal Test
Week 2	Geometry: Polygons, Triangles, Quadrilaterals, and Circles	Introduction videos/links Interactive Activity Independent Practice (optional) Math Journal Course Portfolio Test	Interactive Activity Math Journal Test
Week 3	Geometry: Coordinate Plane	Introduction videos/links Interactive Activity Independent Practice (optional) Math Journal Course Portfolio Test	Interactive Activity Math Journal Test
Week 4	Geometry: Symmetry and Translations	Introduction videos/links Interactive Activity Independent Practice (optional) Math Journal Course Portfolio Test	Interactive Activity Math Journal Test
Week 5	Measurement: Customary Units	Introduction videos/links Interactive Activity Independent Practice (optional) Math Journal Course Portfolio Test	Interactive Activity Math Journal Test
Week 6	Measurements: Metric System	Introduction videos/links Interactive Activity Independent Practice (optional) Math Journal Course Portfolio Test	Interactive Activity Math Journal
Week 7	Measurement: Perimeter, Area, and Volume	Introduction videos/links Interactive Activity Independent Practice (optional) Math Journal Course Portfolio Test	Interactive Activity Math Journal Test

	Topic/Focus	Activities & Reading Assignments	What do I need to complete on Blackboard?
Week 8	Course Project	Math Journal Course Project	Math Journal Course Project
Week 9	Course Portfolio	Math Journal Course Portfolio	Math Journal Course Portfolio

Student Evaluation and Grading Policies for Non-Credit Courses Only:

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

Instructor Biographical list:

- 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