Geometry – Semester 1 of 2

ILP & Vendor Content Template

# ILP (Individual Learning Plan)

## Instructor: Chelsea Benson-Vining, Frontier Tutoring LLC

## Class Name: Geometry – Semester 1 of 2

## School Year: 2017-2018

## Course Description

This Geometry course covers the first seven chapters of the textbook. This course will show practical applications of geometry and prepare the student for Semester II of Geometry, as well as future advanced mathematics courses. In this semester students will learn:

* Basic geometric units
* Reasoning and proofs
* Geometric properties
* Postulates and theorems
* Concepts of lines
* Triangles
* Polygons

## Standards: Common Core or GLE

The course is designed to engender student achievement of the following Common Core standards. Page numbers refer to the *Common Core State Standards for Mathematics* (published June 2, 2010).

## Standard: Congruence

## Grade Level: High School

Standards: Experiment with transformations in the plane, understand congruence in terms of rigid

Motions, prove geometric theorems, make geometric constructions

## Standard: Similarity, Right Triangles, and Trigonometry

## Grade Level: High school

## Skills: Understand similarity in terms of similarity, transformations, prove theorems involving similarity, define trigonometric ratios and solve problems involving right triangles, apply trigonometry to general triangles

## Standard: Circles

## Grade Level: High school

Skills: Understand and apply theorems about circles, find arc lengths and areas of sectors of circles

## Standard: Expressing Geometric Properties with Equations

## Grade Level: High school

Skills: Translate between the geometric description and the equation for a conic section, use coordinates to prove simple geometric theorems algebraically

## Standard: Geometric Measurement and Dimension

## Grade Level: High school

Skills: Explain volume formulas and use them to solve problems, visualize relationships between two-dimensional and three-dimensional objects

## Student Activities/Assignments

Students will complete homework assignments that may include reading, writing, grammar, and vocabulary. Students will participate in class discussions and will be required to complete several formal, graded assessments including written reports, oral reports, and examinations. For additional detail, please see the course syllabus.

## Materials/Resources

Each student should be equipped with standard class supplies (pencil/pen, paper/notebook, binder/folder). Curriculum will be based on the following textbook(s):

* ***Geometry -*  McDougal Littell, 2007 (Larson)**

## Role of FPCS Sponsor Teachers

FPCS sponsor teachers will provide oversight and transcribe their assigned students’ grade based on a record of assessed work and scores provided by Frontier Tutoring.

## Role of Frontier Tutoring Instructor

The instructor will lead and pace the class, conduct in-class activities, and assign homework for students to complete under parental supervision. The instructor will communicate with students and parents about student progress through quarterly progress reports, as well as on an individual basis as necessary.

## Role of Students

Students will complete all homework assigned by the instructor. Students will to complete several formal, graded assessments including written essays or reports.

## Role of Parents

Parents will monitor the academic progress of their students, taking a proactive role in their education. Parents will ensure that students attend classes regularly and on time, students are picked up from classes on time, assignments are completed on time, and students are on pace with the class. Parents will arrange for supplemental tutoring or other measures if students fall behind.

## Assessment/Grading

All coursework will be weighted using the following scale:

Homework: 50%

Quizzes: 30%

Final Exam: 20%

Class performance will be assessed using a letter grade system as follows:

100%-90% = A; 89%-80% = B; 79%-70% = C; 69%-60% = D; 59%-0% = F

Weight of each evaluation factor is presented in the class syllabus. Frontier Tutoring will report quarter and semester grades to parents and Family Partnership Charter School. Frontier Tutoring will maintain quantitative evaluation records for each student.

# Vendor Contract Content

## Vendor: Frontier Tutoring LLC

## Vendor Instructor: Chelsea Vining, Frontier Tutoring LLC

## Name of Class: Geometry – Semester 1 of 2

## Minimum Students: 5

## Maximum Students: 18

## Location: Crosspoint Community Church

1920 W. Dimond Blvd. Ste. K, Anchorage, AK 99515

## Dates/Times Subject to Change

Class Dates: Semester 1: **August** 30

**September** 6**,** 13, 20, 27

**October** 4, 11, 18, 25

**November**  1, 8, 15, 29

**December**  6, 13

## Class Times: Semester 1: Wednesday, 11:00 AM-1:00 PM

## Classroom Hours: 30

Registration Charge: Please reference the Student Budget Worksheet you will receive from Frontier Tutoring; this document will specify the exact amount due. Parent will be required to pay balance due should ASD fail to remit payment at any time.

Terms of Service: Enrollment in this class is subject to the Terms and Conditions of Enrollment Agreement, as amended.