Prerequisite: Beginning Algebra

Class Description:

This course focuses on the development of logical, sequential thought, the development of formal mathematical proofs, and the analysis of common geometrical shapes using Euclidian geometry. Equal emphasis will be placed on developing proofs and preparing for the geometry portions of standard college entrance exams. Topics will include all major geometric subjects including points and lines, angles, triangles, parallel and perpendicular lines, quadrilaterals, area and perimeter, congruence and similarity, right triangles, circles, and basic trigonometry. Internet access and printing capabilities are required.

Texts & Supplies:

Life of Fred: Geometry **(Expanded Edition)**. Stanley F. Schmidt.
ISBN: 978-1-937032-21-0. Please follow this link to Z-Twist Books to ensure you purchase the correct text.

[Life of Fred: Geometry (Expanded Edition)](#)

Materials Required: Scientific calculator (not a graphing calculator), one 5-subject spiral notebook, one 2-pocket file folder, pencil, colored pens, internet access and printing capabilities.