Wyoming Department of Education Required Virtual Education Course Syllabus

Natrona County School District # 1

Program Name	Natrona Virtual Learning	Content Area	MA
Course ID	NCV02072.1	Grade Level	9,10,11,12
Course Name	Geometry Sem 1	# of Credits	0.5
SCED Code	02072G0.5012	Curriculum Type	Odysseyware

COURSE DESCRIPTION

Geometry is a high school math course for the student who has successfully completed the prerequisite course, Algebra I. The course focuses on the skills and methods of linear, quadratic, coordinate, and plane geometry. In it, students will gain solid experience with geometric calculations and coordinate plane graphing, methods of formal proof, and techniques of construction.

WYOMING CONTENT AND PERFORMANCE STANDARDS

STANDARD#	BENCHMARK (Standard/Indicator) Use the Standards and Benchmarks as Spreadsheets
S.CP.1	Describe events as subsets of a sample space (the set of outcomes) using characteristics (or categories) of the outcomes, or as unions, intersections, or compliments of other events ("or," "and," "not").
S.ID.3	Interpret differences in shape, center, and spread in the context of the data sets, accounting for possible effects of extreme data points (outliers).*
G.CO.1	Know precise definitions of angle, circle, perpendicular line, parallel line, and line segment, based on the undefined notions of point, line, distance along a line, and distance around a circular arc.
G.CO.7	Use the definition of congruence in terms of rigid motions to show that two triangles are congruent if and only if corresponding pairs of sides and corresponding pairs of angles are congruent.
G.SRT.6	Understand that by similarity, side ratios in right triangles are properties of the angles in the triangle, leading to definitions of trigonometric ratios for acute angles.

SCOPE AND SEQUENCE

UNIT OUTLINE	STANDARD#	OUTCOMES OBJECTIVES/STUDENT CENTERED GOALS
UNIT 1: Introduction	S.CP.1	Identify subsets of a given set.Review and practice the rules of set theory.Identify finite and infinite sets
UNIT 2: Logic	S.ID.3	Define and identify types of logical statements. Recognize and use strategies of logic. Classify a negation as true or false. Write the negation of a statement.
UNIT 3: Angles and Parallels	G.CO.1	Calculate angle measures using transversals.

		side of a triangle is longer than another side.
UNIT 4: Congruent Triangles and Quadrilaterals	G.CO.7	
UNIT 5: Similar Polygons	G.SRT.6	Express ratios in their simplest forms Use geometric figures to find a ratio. State the sine ratio of a given. Use properties of trigonometric ratios to measure lengths indirectly.