

Wyoming Department of Education Required Virtual Education Course Syllabus

Natrona County School District # 1

Program Name	Natrona Virtual Learning	Content Area	MA
Course ID	NCV02051.1	Grade Level	9,10,11,12
Course Name	Pre-Algebra Sem 1	of Credits	0.5
SCE Code	02051G0.5012	Curriculum Type	Odysseyware

COURSE DESCRIPTION

Pre-Algebra is an introductory algebra course designed to prepare students for Algebra 1. The course focuses on strengthening needed skills in problem solving, integers, equations, and graphing. Students will begin to see the "big picture" of mathematics and learn how numeric, algebraic, and geometric concepts are woven together to build a foundation for higher mathematical thinking

WYOMING CONTENT AND PERFORMANCE STANDARDS

STANDARD#	BENCHMARK (Standard/Indicator) Use the Standards and Benchmarks as Spreadsheets
N.RN.3	Explain why the sum or product of rational numbers is rational; that the sum of a rational number and an irrational number is irrational; a
N.Q.3	Use units as a way to understand problems and to guide the solution of multi-step problems; choose and interpret units consistently in fo
N.RN.1	Explain how the definition of the meaning of rational exponents follows from extending the properties of integer exponents to those valu
A.APR.3	Identify zeros of polynomials when suitable factorizations are available, and use the zeros to construct a rough graph of the function defin
A.SSE.3c	Use the properties of exponents to transform expressions for exponential functions

SCOPE AND SEQUENCE

UNIT OUTLINE	STANDARD#	OUTCOMES OBJECTIVES/STUDENT CENTERED GOALS
Unit 1 The Real Number System	N.RN.3	• Classify numbers.
Unit 2 Modeling Problems In Integers	N.RN.1	* Translate written statements into math symbols, expressions,
Unit 3 Modeling Problems With Rational Numbers	N.Q.3	* Express the prime factorization of composite numbers and
Unit 4 Proportional Reasoning	A.SSE.3c	* Write ratios and proportions.
Unit 5 More With Functions	A.APR.3	* Rewrite formulas to solve for a specific variable.