

WASHINGTON UNIFIED SCHOOL DISTRICT

INTEGRATED MATH 2 OVERVIEW

COURSE TITLE:	Integrated Math 2		
DEPARTMENT:	Mathematics		
UNITS:	Two Semesters: 5 Units per Semester		
GRADE LEVEL:	10 th , 11 th		
NATURE OF COURSE:	Meets district graduation requirement as one of three courses in mathematics. Meets UC/CSU approval for the a-g requirement in mathematics. Requires a grade of C- or better for placement in Integrated Math 3.		
PREREQUISITE:	A grade of C- or better in Integrated Math 1		
DESCRIPTION:	The purpose of Mathematics 2 is to formalize and extend the mathematics that students learned in Mathematics 1. The critical areas deepen and extend understanding of quadratic relationships, in part by contrasting them with exponential functions, and in part by applying linear models to data that exhibit a trend. Mathematics 2 uses properties and theorems involving right triangles, circles, and volume to deepen and extend understanding of geometric knowledge from prior grades, while also focusing on quadratic functions and their graphs. Classes focus on a student centered approach where students work in partners and groups in order to discover, discuss, and analyze mathematical concepts. There is also a software component to the class, where students work through problems and get help at their own pace.		
COURSE GOALS:	Key skills and concepts, as outlined by the California Common Core Standards, are addressed as students learn to: <ul style="list-style-type: none">• Discover and understand properties of basic geometric shapes• Understand properties of similar figures and solve problems involving similar shapes• Utilize trigonometry to determine patterns and similarity in right triangles• Solve various problems in relation to theorems about circles• Experiment with and calculate the volume of 3D objects• Interpret functions that arise in applications in terms of the context.• Represent and solve quadratic equations graphically		
TEXTBOOK:	<i>Integrated Math 2</i> Carnegie Learning, 2012		
GRADES:	A = 90% - 100%	60% Tests/Quizzes	60% Tests/Quizzes
	B = 80% - 89%	30% Daily Work/Projects	30% Daily Work/Projects
	C = 70% - 79%	<u>10% Semester 1 Final</u>	<u>10% Semester 2 Final</u>
	D = 60% - 69%	100% SEMESTER 1 GRADE	100% SEMESTER 2 GRADE
	F = 0% - 59%		