	Course Name	Course Description and Notes	Course Prerequisites
	course Marine	Math 7 focuses on four critical areas:	
	Math 7	1 Developing understanding of and applying	
		nronortional relationships	
		2. Developing understanding of operations with rational	
		numbers and working with expressions and linear	
		equations.	
	Math 7 with Strategies	3. Solving problems involving scale drawings and	
		informal geometric constructions, and working with two	
		and three dimensional shapes to solve problems	
		involving area, surface area, and volume.	
		4. Drawing inferences about populations based on	
		samples.	F <sup>th</sup> grade CST Secret
	Advanced Math 7	This is an accelerated Math 7 course which also covers	7 <sup>th</sup> grade Math Placement Test Scores
		Math 8 standards.	CNEC Math Department Rubric
		Math 8 focuses on three critical areas:	
		1. Formulating and reasoning about expressions and	
		equations, including modeling an association in bivariate	
		data with a linear equation, and solving linear equations	
	Math 8	and systems of linear equations.	
	Math 8 with Strategies	2. Grasping the concept of a function and using	Successful completion of Math 7
		functions to describe quantitative relationships.	
e		3. Analyzing two and three dimensional space and figures using dictance, angle, similarity, and congruence	
lia.		and understanding and applying the Pythagorean	
Jec		Theroem.	
ern		This is an accelerated Math 8 course which also covers	000/ as his has final as searched and his Address shadow h
Int	Advanced Math 8	Math 1 standards.	80% or higher final semester grade in Advanced Math 7
e	Foundations of Algebra (9 <sup>th</sup> grade only)	Foundations of Algebra is a course designed for students	
idg		struggling with algebraic skills and concepts. This course	
a) (1)		will cover integer rules, number properties, solving	Teacher/Counselor Recommendation
nit		equations and inequalities, linear graphs, functions and	
rai		requirement	
G		The fundamental purpose of the Mathematics I course is	
	Math 1 (P)	to formalize and extend the mathematics that students	
		learned in the	700/ an history in Math 0
		middle grades. This course includes standards from the	20% Of Higher III Math 8 Dessing grade in Foundations of Algebra 1
		conceptual categories of Number and Quantity, Algebra,	
		Functions,	
		Geometry, and Statistics and Probability.	
		expressions equations and functions: comparing their	
		characteristics	
	Math 2 (P)	and behavior to those of linear and exponential	77% or higher in Adv. Math 8 (8 <sup>th</sup> grade)
		relationships from Mathematics I. This course includes	70% or higher in Algebra 1 (9 <sup>th</sup> -11 <sup>th</sup> grades)
		standards from the	
		conceptual categories of Number and Quantity, Algebra,	
		Functions, Geometry, and Statistics and Probability.	
	Math 2 Honors (P)	Accelerated Math 2 Course	Placement Exam
		Algebra 1 is the foundation course for all higher	
	Algebra 1 (P) (11 <sup>th</sup> & 12 <sup>th</sup> grade only)	mathematics courses. Topics include: operations with	
		integers, solving equations and inequalities, exponents,	Teacher/Counselor Recommendation
		operations with polynomials, graphing in tow variables,	
		radicals, and application problems	
		This course is designed for students who require	
	Applied Geometry	additional support to learn the basic concepts of	Taraha (Carata B
		geometry without formal methods of proof. This course	reacher/Counselor Recommendation
		meets the CUSD graduation requirement.	
Clovis North High School	Algebra 2 (P)	This course continues the study of algebra. It is highly	
		rigorous and is designed to prepare students for college-	
		iever mathematics. Algebra 2 builds on the student's	85% or higher in Geometry (8 <sup>th</sup> grade)
		complex problems at a higher level. New topics are	70% or higher in Geometry (9 <sup>th</sup> -11 <sup>th</sup> grades)
		explored which form a springboard into higher levels of	
		math. Topics include advanced equations, systems of	
		equations, polynomials, exponents, number systems,	

		functions, radicals, sequences and series, probability,	
		logarithms, and conic sections.	
	Algebra 2 Honors (P)	Algebra 2 Honors continues the study of algebra at a highly rigorous level. This course builds on the student's understanding of basis algebra by studying more complex problems at a higher level. Topics include advanced equations, systems of equations, functions, sequences and series, logarithms, conic sections, mathematical logic, probability and statistics. The fourth quarter studies will be devoted to advanced math topics in preparation for Advanced Math Analysis and AP Calculus AB and BC	Placement Exam
	Statistics and Probability AB (P)	Statistics and Probability provides college bound students with an introduction to the essential basics of statistical analysis and the theory of probability. This course will include applications to the fields of social science, psychology, education, business and medicine. Topics include: descriptive statistics, measures of central tendency and dispersion, correlation and regression analysis, probabilities of compound events, normal distribution and inferential statistics.	70-79% in Algebra 2
	Advanced Math	Advanced Mathematics provides a formal study of trigonometry and exposure to selected topics which provide a foundation for the first course in calculus. Scientific calculators will be used extensively. Topics include: vectors, the theory of equations, functions and limits.	70-79% in Algebra 2 Honors 80% or higher in Algebra 2
	Advanced Math Analysis	Advanced Math Analysis provides a formal study of trigonometry, limits, differential calculus, and selected topics which provide a foundation for Calculus BC	80% or higher in Algebra 2 Honors
	AP Statistics	AP Statistics covers the syllabus necessary for students to successfully pass the national or international exam in May for college credit. This is a highly rigorous course in descriptive statistics, inferential statistics, probability and experimental design.	90% or higher in Algebra 2 <u>with</u> Advanced Math 90% or higher in Statistics 80% or higher in Advanced Math
	AP Calculus AB (HP)	AP calculus AB covers the material necessary for students to successfully pass the national or international exam in May for college credit. Topics include limits, continuity, derivatives and their applications, methods of integration and their application.	80% or higher in Advanced Math 70% or higher in Advanced Math Analysis
	AP Calculus BC (HP)	AP Calculus BC covers the syllabus necessary for students to successfully pass the national or international exam in May for college credit. Topics include: limits, integrals, sequences, series, vectors, parametric equations and differential equations	85% or higher in AP Calculus AB 80% or higher in Advanced Math Analysis