Transition to College Mathematics (9360) Course Overview Curriculum Document				
Course Description				
This course is for c Algebra or Trigono exploration of som functions; and use	ollege bound students who need another year of math to imp metry. This course will enhance the student's higher level thin ne pre-calculus concepts. Students will be challenged to increa trigonometry.	rove their algebraic abilities and plan to ta king skills developed in Algebra 2 through se their understanding of algebraic, graphi	ke a math course in Coll a more in-depth study c cal and numerical meth	ege, such as College of those concepts and ods to analyze
Credits		Prerequisites		
1		9100 Algebra, 9200 Geometry, and 9260 Algebra 2		
Board Approved		Revised		
April 1999, March 2019, June 2023		February 2019, June 2023		
	Required A	ssessments		
District Common Summative Assessments				
	Textbooks	/Resources		
Lial, Marga Teacher Ed	ret L. (2016). Algebra and Trigonometry for College Readiness. ition ISBN: 978-0-13-399403-2	Boston: Pearson. Student Edition ISBN: 97	8-0-13-399335-6	
Course Essential Understandings		Course Relevance Questions		
 As a result of successfully completing this course, students will understand: Notation can be used to convey mathematical concepts Algebra concepts are interrelated Application of rules to simplify expressions and number systems Equations and graphs are connected Formulas and geometric shapes are related 		 Can we develop and apply relationships and patterns to solve both Algebraic and Geometric problems? 		
Unit Overviews				
Unit Name	Unit Description	Unit Relevance Question	Instructional Standards	Assessed Standards
Unit 1: Simplifying	In this unit students will build foundational knowledge and vocabulary to work with real number systems, exponents, polynomials, roots, radicals, logs, and imaginary numbers.	How do you simplify an algebraic expression? How do you use notation to convey an answer?	I.1: Interpreting M.1: Manipulating/ Evaluating	I.1: Interpreting M.1: Manipulating/ Evaluating
Unit 2: Solving	Students will build on their knowledge of Unit 1 to solve a variety of equations and inequalities.	How many solutions can you determine from the following statement?	I.2: Interpreting M.2: Manipulating/ Evaluating S.2: Solving	I.2: Interpreting M.2: Manipulating/ Evaluating S.2: Solving
Unit 3: Geometry	In this unit students will use geometric relationships to determine additional information about a triangle and other geometric figures.	How can you determine the missing angles and sides?	I.3: Interpreting M.3: Manipulating/ Evaluating S.3: Solving	I.3: Interpreting M.3: Manipulating/ Evaluating S.3: Solving
Unit 4: Coordinate Plane	In this unit students will understand the characteristics of a function.	What can you determine from a graph?	I.4: Interpreting M.4: Manipulating/ Evaluating S.4: Solving	I.4: Interpreting M.4: Manipulating/ Evaluating S.4: Solving