

Major Course Modification and New Course Proposal

Type of proposal: Major modification to existing course New Course

Proposed Course Title: Explorations in Algebra I	Content Area: Mathematics
<p>This course is designed for:</p> <p>Freshman Sophomores Juniors Seniors Middle School</p>	<p>Length of Course:</p> <p>Full Year Semester Quarter Trimester</p>
<p>Prerequisites needed by students to take this course: No prerequisite required, though students in this course will be selected by SHS Administration.</p>	
<p>What need(s) does this course address? How was the need identified and who was involved determining the need?</p> <p>To better support our students' long-term success in math, we are modifying the current two-year Algebra A/B track with Explorations in Algebra I to complement our current Explorations in Algebra II course Explorations in Algebra I is designed to be a one-year course that prioritizes essential skills, ensuring students meet state standards and maintain access to advanced math electives without the delay of a two-year introductory sequence. This update ensures students have the flexibility to take higher-level math courses in later years.</p>	
<p>Give a general overview of what this course will cover.</p> <ul style="list-style-type: none"> ● Patterns in Numbers and Integers ● Linear Equations and Inequalities ● Functions ● Linear Functions ● Scatterplots and Trendlines ● Systems of Linear Equations and Linear Inequalities ● Introduction to Exponential Functions ● Quadratic Functions and the Quadratic Equation 	
<p>Who designed this course?</p> <p>This course was designed with consultation of GoOpenCT Model Curriculum, Achieve the Core, and Jen Michalek (SDE Math Consultant). Because it is modified from the previous Algebra A/B sequence, it was consolidated by the 6-12 STEM Instructional Leader based on that.</p>	<p>What, if any, special background/training would the teacher need to instruct this course successfully?</p> <p>None</p>

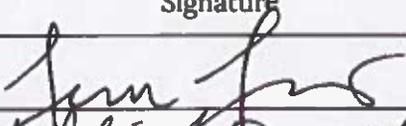
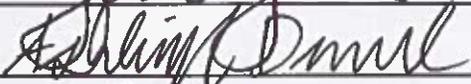
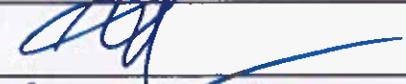
What, if any, implications does this course have on staffing, other curricular areas and or space?

No Implications

Resources Needed for this Course:
Please list the materials/resources needed along with an estimated cost including PD.

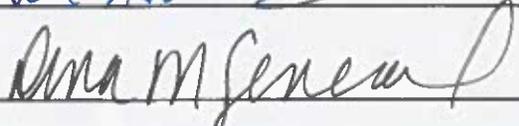
Materials/Resources	Cost
GoOpenCT Model Curriculum	None
Achieve the Core	None

Signatures below indicate that the course proposal has been discussed and feedback has been elicited on the proposal prior to completion. Interdisciplinary proposals require the signatures of members of all involved in those content areas/departments.

Signature	Content Area	Date
	Math	2/6/26
	Math	2/6/26
	Math	2/6/26
	MATH	2/6/26
Sarah McNamee	Math	2/11/26

Principal Signature:  Date: 2/6/26

Superintendent Signature:  Date: 2/11/26

Director of Curriculum Signature:  Date: 2/11/26