



Course Name	Precalculus	Course Code	27.0841000
School Name	Cedar Grove High School	Teacher Name	Linda Jackson
School Phone Teacher Phone	678-874-4002 404-750-4196 (Google Voice) 678-874-4077 (Classroom)	Teacher Email	Linda_Jackson@dekalbschoolsga.org
School Website	http://www.cedargrovehs.dekalb.k12.ga.us/	Teacher Website	https://msjacksoncghs.weebly.com/

Course Description: Precalculus is intended to provide students with opportunities to develop a deeper understanding of concepts that are important for college preparedness and the study of calculus. The course includes the study and analysis of piecewise and rational functions and associated limits and continuity. Students will explore the six trigonometric functions, trigonometric inverses and equations, and applications of trigonometry such as modeling periodic phenomena. Other topics include sequences and series with the incorporation of convergence and divergence, conic sections as implicitly defined curves, modeling with vectors and parametric equations, and graphing in the polar plane. Throughout the precalculus course there will be a focus on notational fluency and the use of multiple representations. Topics will be analyzed in multiple ways, including verbal and written, numerical, algebraic, and graphical presentations. Concepts will be investigated with technology and, where appropriate, in the context of realistic phenomena.

Curriculum Overview

The following academic concepts will be covered. **THIS IS ONLY A GUIDE AND IS SUBJECT TO CHANGE.**

CURRICULUM OVERVIEW-UNITS
Modeling with Rational and Piecewise-Defined Functions
Modeling with Trigonometric Expressions and Functions
Applying Trigonometric Identities and Equations
Modeling with Conic Sections and Polar Equations
Modeling with Vector Quantities
Modeling with Sequences and Series
Transition Units
Culminating Capstone Unit

BOARD-APPROVED INSTRUCTIONAL MATERIALS

Title	Will be updated when information becomes available
ISBN	
Replacement Cost	
Online book and/or resources	
Online student access code	

GRADING SYSTEM: The DeKalb County School District believes that the most important assessment of student learning shall be conducted by the teachers as they observe and evaluate students in the context of ongoing classroom instruction. A variety of approaches, methodologies, and resources shall be used to deliver educational services and to maximize each student’s opportunity to succeed. Teachers shall evaluate student progress, report grades that represent the student’s academic achievement, and communicate official academic progress to students and parents in a timely manner through the electronic grading portal. **See Board Policy IHA.**

GRADING CATEGORIES	*GRADE PROTOCOL
Formative and Diagnostic Assessments – 0%	A 90 – 100
Assessment Tasks (Skills & Homework) – 25%	B 80 – 89
Classwork (Guided, Independent, and Group Practice) – 45%	C 71 – 79
Quizzes, Tests, and Projects – 30%	D 70
	F Below 70

DISTRICT EXPECTATIONS FOR SUCCESS	
STUDENT PROGRESS	Semester progress reports shall be issued four and a half, nine and thirteen and a half weeks into each semester. The progress of students shall be evaluated frequently and plans shall be generated to remediate deficiencies as they are discovered. Plans shall include appropriate interventions designed to meet the needs of the students. See Board Policy IH.
ACADEMIC INTEGRITY	Students will not engage in an act of academic dishonesty including, but not limited to, cheating, providing false information, falsifying school records, forging signatures, or using an unauthorized computer user ID or password. See the Code of Student Conduct - Student Rights and Responsibilities and Character Development Handbook.
HOMEWORK	Homework assignments should be meaningful and should be an application or adaptation of a classroom experience. Homework is at all times an extension of the teaching/learning experience. It should be considered the possession of the student and should be collected, evaluated and returned to the students. See Board Policy IHB.
MAKE-UP WORK DUE TO ABSENCES	When a student is absent because of a legal reason as defined by Georgia law or when the absence is apparently beyond the control of the student, the student shall be given an opportunity to earn grade(s) for those days absent. Make-up work must be completed within the designated time allotted. See Board Policy IHEA.
SCHOOL EXPECTATIONS FOR SUCCESS	
CLASSROOM EXPECTATIONS	<ul style="list-style-type: none"> • Follow all school and district rules. • Be on time. • Treat others with respect. • Actively participate.
MATERIALS AND SUPPLIES	<ul style="list-style-type: none"> • Portfolio (3-ring binder; 2 inches or larger) with dividers: • Notebook paper (loose-leaf) • #2 pencils and erasers • Optional: Tissues & hand sanitizer
EXTRA HELP	<p>Tutorial is available Tuesdays & Thursdays starting at 3:15. Online Math Resources</p> <ul style="list-style-type: none"> ▪ Gizmos ▪ Progress Learning ▪ Khan Academy ▪ Delta Math ▪ Desmos Scientific Calculator <p>See teacher website for additional resources and information (virtual learning tab, precalculus tab)</p>
PARENTS AS PARTNERS	<ul style="list-style-type: none"> • Reach out to teacher via email or phone with any questions or to set up a conference • Monitor grades & attendance via Campus Portal. • Ensure students complete assignments daily. Monitor Canvas. • Review progress reports with students every 4.5 weeks. • Check school website regularly for important events.

Please click on the link below to verify that you (student & parent/guardian) have reviewed the syllabus.

<https://forms.gle/qwat5treAvJxL2hL8>