



<b>Course Name</b>	Precalculus	<b>Course Code</b>	27.0841000
<b>School Name</b>	Cedar Grove High School	<b>Teacher Name</b>	Ms. Dona
<b>School Phone</b>	678-874-4002 (Front Office)	<b>Teacher Email</b>	Dona_Mondal@dekalbschoolsga.org
<b>Teacher Phone</b>	678-874-4079 (Classroom)		
<b>School Website</b>	<a href="http://www.cedargrovehs.dekalb.k12.ga.us/">http://www.cedargrovehs.dekalb.k12.ga.us/</a>	<b>Teacher Website</b>	<a href="#">Teacher website</a>

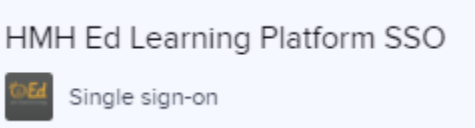
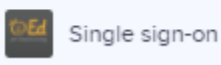
**Course Description:** Precalculus is intended to provide students with opportunities to develop a deeper understanding of concepts that are important for college preparedness and the study of calculus. The course includes the study and analysis of piecewise and rational functions and associated limits 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.**

<b>CURRICULUM OVERVIEW-UNITS</b>
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	Precalculus Young 3 <sup>rd</sup> Edition
ISBN	ISBN 10: 1119370582
Replacement Cost	N/A unless student chooses to check out hard copy of textbook
Online book and/or resources	Log in via Clever  

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

DISTRICT EXPECTATIONS FOR SUCCESS	
<b>STUDENT PROGRESS</b>	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. <b>See Board Policy IH.</b>
<b>ACADEMIC INTEGRITY</b>	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. <b>See the Code of Student Conduct - Student Rights and Responsibilities and Character Development Handbook.</b>
<b>HOMEWORK</b>	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. <b>See Board Policy IHB.</b>
<b>MAKE-UP WORK DUE TO ABSENCES</b>	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. <b>See Board Policy IHEA.</b>
SCHOOL EXPECTATIONS FOR SUCCESS	
<b>CLASSROOM EXPECTATIONS</b>	<ul style="list-style-type: none"> <li>• Follow all school and district rules.</li> <li>• Be on time.</li> <li>• Treat others with respect.</li> <li>• Actively participate.</li> </ul>
<b>MATERIALS AND SUPPLIES</b>	<ul style="list-style-type: none"> <li>• Portfolio (3-ring binder; 2 inches or larger) with dividers:</li> <li>• Notebook paper (loose-leaf)</li> <li>• #2 pencils and erasers</li> <li>• <b>Optional:</b> Tissues &amp; hand sanitizer</li> </ul>
<b>EXTRA HELP</b>	<p>Tutorial is available Tuesdays &amp; Thursdays starting at 3:15.</p> <p>Online Math Resources</p> <ul style="list-style-type: none"> <li>▪ <a href="#">Gizmos</a></li> <li>▪ <a href="#">Progress Learning</a></li> <li>▪ <a href="#">Khan Academy</a></li> <li>▪ <a href="#">Delta Math</a></li> <li>▪ <a href="#">Desmos Scientific Calculator</a></li> </ul>
<b>PARENTS AS PARTNERS</b>	<ul style="list-style-type: none"> <li>• Reach out to teacher via email or phone with any questions or to set up a conference</li> <li>• Monitor grades &amp; attendance via Campus Portal.</li> <li>• Ensure students complete assignments daily. Monitor Canvas.</li> <li>• Review progress reports with students every 4.5 weeks.</li> <li>• Check school website regularly for important events.</li> </ul>

*My signature below indicates that I have read the precalculus syllabus and understand the policies and procedures for this course.*

PLEASE SIGN BELOW AND RETURN

I have read the syllabus.

Student Name \_\_\_\_\_

Student Signature \_\_\_\_\_

Parent/Guardian Signature \_\_\_\_\_

Date \_\_\_\_\_

Additional information to support continued contact:

Information	Parent/Guardian
Day Time Phone Number	
Cellular Phone Number	
Home Phone Number	
Email Address	