

Precalculus

Scope and Sequence 2026-27

Course Description:

Precalculus is the preparation for calculus. The course approaches topics from a function point of view, where appropriate, and is designed to strengthen and enhance conceptual understanding and mathematical reasoning used when modeling and solving mathematical and real-world problems. Students systematically work with functions and their multiple representations. The study of Precalculus deepens students' mathematical understanding and fluency with algebra and trigonometry and extends their ability to make connections and apply concepts and procedures at higher levels. Students investigate and explore mathematical ideas, develop multiple strategies for analyzing complex situations, and use technology, specifically the graphing calculator, to build understanding, make connections between representations, and provide support in solving problems.

Texas Essential Knowledge and Skills: [Precalculus](#)

Instructional Units	Days**	
First Semester (80 days)	Start Date	End Date
1st Grading Period	08/12/2026	10/08/2026
Introduction to Trigonometry	8/12/2026	9/4/2026
Graphing Trig Functions	9/8/2026	10/1/2026
Trig Inverses, Identities, and Equations	10/2/2026	10/8/2026
2nd Grading Period	10/19/2026	12/18/2026
Trig Inverses, Identities, and Equations	10/19/2026	11/5/2026
*Triangle Trig and Vectors	11/6/2026	12/18/2026
Second Semester (93 days)	Start Date	End Date
3rd Grading Period	01/05/2027	03/11/2027
Polar Equations	1/5/2027	1/19/2027
Functions (General)	1/20/2027	2/4/2027
Polynomials	2/5/2027	2/19/2027
Rational Functions	2/22/2027	3/9/2027
Exponential and Logarithmic Functions	3/10/2027	3/11/2027
4th Grading Period	03/22/2027	05/27/2027
Exponential and Logarithmic Functions	3/22/2027	4/9/2027
Sequences and Series	4/12/2027	4/23/2027
*Parametric Equations and Conic Sections	4/27/2027	5/27/2027

* Includes time for Final Exams.

**The length of each unit is a specific number of days, but it is understood that there is a range of +/- a day. The purpose of the flexibility is meant to allow teachers the opportunity to plan for the needs of their students and to accommodate re-teaching or review when necessary. If pre-assessment indicates student mastery could be obtained in a fewer number of days, the additional time could be used for extension or carried into the next unit.

Instructional Material(s):

Texas Precalculus - McGraw-Hill

5/22/2026