AP Precalculus | 2026-2027 Instructional Plan

Course Overview	AP Precalculus Course Overview by College Board
Course Standards	AP Precalculus Course and Exam Description (CED)
Instructional Materials	Math Medic-IDEA Mathematics Curriculum Redesign (MCR) on Curriculum Corner

Scope & Sequence

Units & Instructional Days	Assessments & Scanning Deadlines	Standards
Unit 00: Foundations *5 Days*		
Unit 1: Exploring Rates of Change *10 Days*	**Unit 1 Exam** *TX_MAT_APPrecalculus_F26_UE1* Scanning Deadline: September 10, 2026	**1.1** Change in Tandem LO 1.1.A LO 1.1.B **1.2** Rates of Change LO 1.2.A LO 1.2.B **1.3** Rates of Change in Linear and Quadratic Functions LO 1.3.A LO 1.3.B
Unit 2: Polynomial and Rational Functions *13 Days*	**Unit 2 Exam** *TX_MAT_APPrecalculus_F26_UE2* Scanning Deadline: October 1, 2026	**1.4** Polynomial Functions and Rates of Change LO 1.4.A **1.5** Polynomial Functions and Complex Zeros LO 1.5.A LO 1.5.B **1.6** Polynomial Functions and End Behavior LO 1.6.A **1.7** Rational Functions and End Behavior LO 1.7.A **1.8** Rational Functions and Zeros LO 1.8.A **1.9** Rational Functions and Vertical Asymptotes LO 1.9.A **1.10** Rational Functions and Holes LO 1.10.A **1.11** Equivalent Representations of Polynomial and Rational Expressions LO 1.11.A LO 1.11.B LO 1.11.C
Unit 3: Constructing Functions *10 Days*	**Unit 3 Exam** *TX_MAT_APPrecalculus_F26_UE3* Scanning Deadline: October 22, 2026	**1.12** Transformations of Functions LO 1.12.A **1.13** Function Model Selection and Assumption Articulation LO 1.13.A LO 1.13.B **1.14** Function Model Construction and Application LO 1.14.A LO 1.14.B LO 1.14.C

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Unit 4: Exponential Functions *12 Days*	**Unit 4 Exam** *TX_MAT_APPrecalculus_F26_UE4* Scanning Deadline: November 5, 2026	**2.1** Change in Arithmetic and Geometric Sequences LO 2.1.A LO 2.1.B **2.2** Change in Linear and Exponential Functions LO 2.2.A LO 2.2.B **2.3** Exponential Functions LO 2.3.A **2.4** Exponential Function Manipulation LO 2.4.A **2.5** Exponential Function Context and Data Modeling LO 2.5.A LO 2.5.B **2.6** Competing Function Model Validation LO 2.6.A LO 2.6.B
Unit 5: Logarithmic Functions & Semester Exam Review *21 Days*	**No scan deadline due to close proximity of the Semester Exam**	**2.7** Composition of Functions LO 2.7.A LO 2.7.B LO 2.7.C **2.8** Inverse Functions LO 2.8.A LO 2.8.B **2.9** Logarithmic Expressions LO 2.9.A **2.10** Inverses of Exponential Functions LO 2.10.A **2.11** Logarithmic Functions LO 2.11.A **2.12** Logarithmic Function Manipulation LO 2.12.A **2.13** Exponential and Logarithmic Equations and Inequalities LO 2.13.A LO 2.13.B **2.14** Logarithmic Function Context and Data Modeling LO 2.14.A **2.15** Semi-log Plots LO 2.15.A LO 2.15.B
Semester Exam Window: Dec 7-18, 2026 | Scanning Deadline: Jan TBD, 2027		
Unit 6: Exploring Sine and Cosine Functions *12 Days*	**Unit 6 Exam** *TX_MAT_APPrecalculus_S27_UE6* Scanning Deadline: February 4, 2027	**3.1** Periodic Phenomena LO 3.1.A LO 3.1.B **3.2** Sine, Cosine, and Tangent LO 3.2.A **3.3** Sine and Cosine Function Values LO 3.3.A **3.4** Sine and Cosine Function Graphs LO 3.4.A **3.5** Sinusoidal Functions LO 3.5.A **3.6** Sinusoidal Function Transformations LO 3.6.A **3.7** Sinusoidal Functions Context and Data Modeling LO 3.7.A

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Unit 7: Working with Trigonometric Functions *12 Days*	**Unit 7 Exam** *TX_MAT_APPrecalculus_S27_UE7* Scanning Deadline: February 25, 2027	**3.8** The Tangent Function LO 3.8.A LO 3.8.B LO 3.8.C **3.9** Inverse Trigonometric Functions LO 3.9.A **3.10** Trigonometric Equations and Inequalities LO 3.10.A **3.11** The Secant, Cosecant, and Cotangent Functions LO 3.11.A **3.12** Equivalent Representations of Trigonometric Functions LO 3.12.A LO 3.12.B LO 3.12.C
Unit 8: Polar Functions *8 Days*	**Unit 8 Exam** *TX_MAT_APPrecalculus_S27_UE8* Scanning Deadline: March 4, 2027	**3.13** Trigonometry and Polar Coordinates LO 3.13.A **3.14** Polar Functions Graphs LO 3.14.A **3.15** Rates of Change in Polar Functions LO 3.15.A
Unit 9: Advanced Topics in Precalculus & Mock Exam Review *9 Days*		*Optional Topics Not Tested on the AP Exam* **4.1** Parametric Functions LO 4.1.A **4.2** Parametric Functions Modeling Planar Motion LO 4.2.A **4.6** Conic Sections LO 4.6.A **4.8** Vectors LO 4.8.A LO 4.8.B LO 4.8.C LO 4.8.D
Mock Exam Window: Mar 22-Apr 2, 2027 | Scanning Deadline: Apr TBD, 2027		
AP Success Unit *10 Days*		All Topics and Learning Objectives (LO)
AP Exam: May TBD, 2027		
Post-AP Enrichment *8 Days*		

TEKS Alignment
Instruction in this course is aligned to the Texas Essential Knowledge and Skills (TEKS) as adopted by the State Board of Education and implemented in accordance with Texas Education Code Chapter 28.

Instructional Materials
Primary Texts (if applicable)
Supplemental instructional materials may be used to support instruction. Supplemental materials do not replace board-approved core instructional materials.

Additional information regarding instructional programs, assessments, and parent access to instructional materials is available on the district website.

Instructional Expectations
Instruction is delivered using board-approved instructional materials and aligned to the scope and sequence outlined above. Teachers are expected to ensure all required standards are taught within the course timeframe.

Assessment Overview
Student learning is monitored through formative and summative assessments aligned to course standards. Assessment results are used to inform instruction and student supports. Students participate in required state assessments when applicable.