

Math IV Calendar

2026-2027

1st Semester Week #1

Date:	Lesson/Topic:	Notes:
Thurs. Aug. 13	Welcome: Meet & Greet Modified Bell Schedule	Make Groups, Pass out books, Donation letters, Website/Syllabus, Join Google Classroom, Required Materials A scientific calculator Ti-30X IISA and a TI-84 graphing calculator or similar (TI-83)
Fri. Aug. 14	A2.1 Pre-Unit Check	

Week #2

Mon. Aug. 17	1.1 Splashing Into Fun(ctions): Diving Deeper into Function Stories	
Tues. Aug. 18	1.2 Flower Frames: Domain & Range	
Wed./Thurs. Aug. 19-20	1.3 A Family Function: Function Families and Features	
Fri. Aug. 21	1.4 Alphabet Soup: Functions Defined by Other Functions	Rally Schedule

Week #3

Mon. Aug. 24	1.5 Transformation Station: Transformations of Functions	
Tues. Aug. 25	1.6 Shifting Gears: Vertical and Horizontal Translations	
Wed./Thurs. Aug. 26-27	1.7 Mirror, Mirror: Reflection Functions	
Fri. Aug. 28	1.8 Symmetry Studio: Exploring Even and Odd Functions	

Week #4

Mon. Aug. 31	A2.1 Practice Day 1	
Tues. Sept. 1	Catch Up Day	Senior Picnic
Wed./Thurs. Sept. 2-3	A2.1 Sub-Unit Quiz	
Fri. Sept. 4	Pass back quiz and start corrections	

Week #5

Mon. Sep 7	Labor Day: No School	
Tues. Sep 8	1.9 Ferries Functions: Vertical Scaling	
Wed./Thur. Sep 9-10	1.10 Coastin' Through Transformations: Horizontal Scaling	
Fri. Sep 11	1.11 B(ring) It On: All of the Transformations Together	

Week #6

Mon. Sep 14	1.12 Mental Models: Modeling Mental Health Data by Age Group	
Tues. Sep 15	Practice Day 2	
Wed./Thurs. Sep 16-17	A2.1 End of Unit Assessment	
Fri. Sep 18	Reflect	

Week #7

Mon. Sep 21	A2.2 Pre - Unit Check	
Tues Sept 22	2.1 Get Pump'd: Three Forms of Quadratic Equations	
Wed./Thurs. Sep 23-24	2.2 Factored-Form Frenzy: Rewriting Quadratic Functions in Factored Form	
Fri. Sep 25	2.3 Introducing... Identities!:	

Week #8

Mon. Sep 28	2.4 Etchbot 3000: Quadratic Formula	
Tues. Sep 29	2.5 Star Search: Solving to Determine x-intercepts	
Wed./Thurs. Sep 30-Oct 1	2.6 Just Imagine: Introducing i	
Fri. Oct 1	2.7 Not-So-Complex Numbers: Introducing Complex numbers	

Week #9

Mon. Sep 29	2.8 A Familiar Formula: Solving with the Quadratic Formula	
Tues. Sep 30	Practice Day 1	
Wed./Thurs. Oct 1-2	Unit 2 Sub-Unit Quiz	
Fri. Oct 3	2.9 Truth or Square: Writing Equivalent Expressions with Complex Numbers	

Week #10

Mon. Oct 5	2.10 Me, Myself, and i : Multiplying Complex Numbers	
Tues. Oct 6	2.11 Rewrite and Reimagine: Complex Identities	
Wed./Thurs. Oct 7-8	Practice Day 2 Unit 2 End of Unit Assessment	
Fri. Oct 9	Staff Development Day/No School	

Week #11

Mon. Oct 12	A.2.3 Pre-Unit Check	Homecoming Rally Schedule
Tues. Oct 13	3.2 To Infinity and Beyond: Introduction to End Behavior	
Wed./Thurs. Oct 14-15	3.3 On Our Best Behavior: End Behavior of Polynomials	

Fri. Oct 16	3.4 Into the Polyverse: Operations With Polynomials	
Week #12		
Mon. Oct 19	3.5 Oddly Even: Even and Odd Polynomials	
Tues. Oct 20	3.6 As a Matter of Factor: Polynomial Functions in Factored Form	
Wed./Thurs. Oct 21-22	3.7 Picturing Polynomials: Sketching Polynomials in Factored Form A2.3 Practice Day 1	
Fri. Oct 23	A2.3 Sub-Unit Quiz	
Week #13		
Mon. Oct. 26	5.1 Painted Cubes, Part 1: Building Functions to Make Predictions	
Tues. Oct. 27	5.2 Painted Cubes, Part 2: Using Functions to Answer Questions	
Wed./Thurs. Oct. 28-29	5.3 Flip the Robot: Writing Equations of Inverse Functions	
Fri. Oct. 30	Minimum Day	
Week #14		
Mon. Nov 2	5.4 Inverse Universe: Graphing Inverse Functions	
Tues. Nov 3	5.5 Radical Lab: Exploring Graphs of Root Functions	
Wed./Thurs. Nov 4-5	5.6 Marbleslides: Radicals Transforming Root Functions	
Fri. Nov. 6	5.7 Radical Graphical: Graphing Root Functions	
Week #15		
Mon. Nov 9	Practice Day 1	

Tues. Nov 10	A2.5 Sub-Unit Quiz	
Wed. Nov 11	Veterans Day: No School	
Thurs. Nov 12	5.8 Pendulums and Planets: Introducing Radical Equations	
Fri. Nov. 13	5.9 Roots and Chutes: Solving Radical Equations	
Week #16		
Mon. Nov 16	5.10 Powers to Root For: Rational Exponents and Radical Equations	
Tues. Nov 17	5.11 Brake Point: Modeling with Root Functions, Radicals, & Inequalities <u>Practice Day 2</u>	
Wed./Thurs. Nov. 18-19	End of Unit 5 Assessment	
Fri. Nov. 20		
Have a Happy Thanksgiving Break!		
Week #17		
Mon. Nov. 30	6.1 Exponents and Extraterrestrials: Exponential Functions in Context	
Tues. Dec. 1	6.2 Coffee Shop Chaos: Interpreting Key Features of Exponential Functions	
Wed./Thurs. Dec 2-3	6.3 Sketchy Business: Understanding Transformations of Exponential Functions	
Fri. Dec. 4	6.4 Interest-ing Investments: Making Sense of and Calculating Interest	
Week #18		
Mon. Dec. 7	6.5 Exploring e: Writing Functions for Continuous Compounding	
Tues. Dec. 8	6.6 Sounds Like a (Retirement) Plan: Reasoning With Recurring Rates	

Wed./Thurs. Dec 9-10	6.7 Puzzle Party: Introducing Logarithms	
Fri. Dec. 11	6.8 Log Pond: Finding Logarithms	
Week #19		
Mon. Dec. 14	6.9 Clash of the Logs: Which is the Greater Logarithm?	
Tues. Dec. 15	6.10 Proof Perfect: Writing Equivalent Logarithmic Expressions	
Wed./Thurs. Dec 16-17	6.11 Super Solver: Solving Strategies Practice Day 2	
Fri. Dec. 18	Sub-Unit 6 Quiz	
Week #20		
Mon. Dec. 21	Retake if needed	Finals Period Schedule Period 1 8:30am-10:30am Period 2 10:45am-12:45pm
Tues. Dec. 22		Finals Period Schedule Period 3 8:30am-10:30am Period 4 10:45am-12:45pm
Wed. Dec. 23		Finals Period Schedule Period 5 8:30am-10:30am Period 6 10:45am-12:45pm
Have a great winter Break!		

2nd Semester - Week #1

Date:	Lesson/Topic:	Notes:
Mon. Jan. 11	No School - Teacher Workday	
Tues Jan. 12	6.13 Engineering the Impossible: Introducing Logarithmic Functions	
Wed./Thurs. Jan. 13 -14	6.14 Into the Inverse: Writing the Inverses of Exponential Functions	
Fri. Jan. 15	6.15 Sketch It Out: Graphs of Logarithmic Functions	

Week #2

Mon. Jan. 18	No School - MLK Day	
Tues. Jan. 19	6.16 Library Location: Creating Logarithmic and Exponential Models	
Wed./Thurs. Jan. 20-21	A2.6 Practice Day 3	
Fri. Jan. 22	End of Unit 6 Assessment	

Week #3

Mon. Jan. 25	7.1 Sand Dollar Search Party: Right Triangle Trigonometry in the Coordinate Plane	
Tues. Jan. 26	7.2 Exactly on Point: Special Right Triangles in Circles	
Wed./Thurs. Jan. 27-28	7.3 Radians and Coordinates on the Unit Circle: Radians and Coordinates on the Unit Circle	
Fri. Jan. 29	7.4 The Unit Circle: Going Deeper With the Unit Circle	

Week #4

Mon. Feb. 1	7.5 Going on a Tangent: Tangent and the Unit Circle	
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Tues. Feb. 2	7.6 Pythagorean Dream: Proving and Applying the Pythagorean Identity	
Wed./Thurs. Feb. 3-4	7.7 The Cosmic Claw: Co-terminal Angles in the Unit Circle Practice Day 1	
Fri. Feb. 5	A2.7 Sub-Unit Quiz	
Week #5		
Mon. Feb. 8	Lincoln's Birthday: No School	
Tues. Feb. 9	7.8 Dizzy Bug: Modeling Circular Motion	
Wed./Thurs. Feb. 10-11	7.9 Cosine of the Times: Graphing the Cosine Function	
Fri. Feb. 12	7.10 Tan Lines: Exploring Key Features of Tangent Graphs	
Week #6		
Mon. Feb. 15	Presidents' Day: No School	
Tues. Feb. 16	7.11 Reciprocal Trigonometric Functions: Reciprocal Trigonometric Functions	
Wed./Thurs. Feb. 17-18	7.12 Let's Talk Transformations: Key Features of Sine and Cosine Functions	
Fri. Feb. 19	7.13 Graph with the Wind: Amplitude and Midline	
Week #7		
Mon. Feb. 22	7.14 It's Just a Phase Shift: Exploring Phase Shifts	
Tues. Feb. 23	7.15 Spin You Round: Period of Trig Functions	
Wed./Thurs. Feb. 24-25	7.16 Squigglebot Adventures: Features of Trig Graphs	
Fri. Feb. 26	Minimum Day	Minimum Day Schedule
Week #8		

Mon. Mar. 1	7.17 Wheely Cool Functions: Circular Motion	CAASPP Testing Schedule ? Block Periods 1,3,Access, 5
Tues. Mar. 2	7.17 Wheely Cool Functions: Circular Motion	CAASPP Testing Schedule - ? Block Periods 2, 4, Access, 6
Wed./Thurs. Mar. 3-4	7.18 Over the Moon: Modeling with Calendars Practice Day 2	CAASPP Testing Schedule ?
Fri. Mar. 5	A2.7 End of Unit Assessment	

Week #9

Mon. Mar. 8	8.1 Cactus Claims, Part 1: Intro to Stat	
Tues. Mar. 9	8.2 Water Works: Collecting Data	
Wed./Thurs. Mar. 10-11	8.3 Water You Surveying?: Taking a Sample	
Friday. Mar. 12	No School - SAT Day	

Week #10

Mon. Mar. 15	8.4 Park Picks: Sampling Methods	
Tues. Mar. 16	8.5 Cavities in the Claims: Critiquing a Study's Design	
Wed./Thurs. Mar. 17-18	Practice Day 1	
Fri. Mar. 19	8.6 Relatively Normal: Normal Distributions and Relative Frequency Histograms	

Week #11

Mon. Mar. 22	<u>CAST Testing ?</u>	CAST Testing Schedule Block Periods 1,3,5 (No Access)
Tues. Mar. 23	<u>CAST Testing ?</u>	CAST Testing Schedule Block Periods 2,4,6 (No Access)
Wed./Thurs. Mar. 24-25	8.7 Cars on the Curve: Area Under the Normal Curve	

Fri. Mar. 26	8.8 Weathering the Curve: Using a Normal Curve to Calculate Area	MCC Rally Schedule ?
Week #12		
Mon. Mar. 29	8.9 Coin-cidental Results?: Using Statistics to Test Theories	
Tues. Mar. 30	8.10 Algebuddies: Estimating Population Proportions	
Wed./Thurs. Mar. 31-Apr. 1	8.11 Novel Estimates: Introducing Margin of Error	
Fri. Apr. 2	No School - Happy Spring Break	
Have a Great Spring Break!		
Week #13		
Mon. Apr. 12	8.12 The Dread of No Spread: Using Simulations to Determine Margin of Error	
Tues. Apr. 13	8.13 Polls Pulse: Reducing Margin of Error	
Wed./Thurs. Apr. 14-15	Practice Day 2	
Fri. Apr. 16	A2.8 Sub Unit Quiz	
Week #14		
Mon. Apr. 19	8.14 Get It Under Control: Designing Experiments	
Tues. Apr. 20		
Wed./Thurs. Apr. 21-22		
Fri. Apr. 23		
Week #15		

Mon. Apr. 26		
Tues. Apr. 27		
Wed./Thurs. Apr. 28-29	8.5 Cavities in the Claims: Critiquing a Study's Design	
Fri. Apr. 30	Practice Day 1	
Week #16		
Mon. May 3	8.6 Relatively Normal: Normal Distributions and Relative Frequency Histograms	
Tues. May 4	8.7 Cars on the Curve: Area Under the Normal Curve	
Wed./Thurs. May 5-6	8.8 Weathering the Curve: Using a Normal Curve to Calculate Area	
Fri. May 7	8.9 Coin-cidental Results?: Using Statistics to Test Theories	
Week #17		
Mon. May 10	8.10 Algebuddies: Estimating Population Proportions	
Tues. May 11	8.11 Novel Estimates: Introducing Margin of Error	
Wed./Thurs. May 12-13	8.12 The Dread of No Spread: Using Simulations to Determine Margin of Error	
Fri. May 14	8.13 Polls Pulse: Reducing Margin of Error	
Week #18		
Mon. May 17	Practice Day 2	
Tues. May 18	8.14 Get It Under Control: Designing Experiments	
Wed./Thurs. May 19-20	8.15 Egg-streme Values: Introducing Randomization Distributions	

Fri. May 20		
Week #19		
Mon. May 24	8.16 Interpreting Differences in Means: Interpreting Difference in Means	
Tues. May 25	8.17 Healthy Skepticism: Analyzing Studies Based on Data	
Wed./Thurs. May 26-27	8.18 Cactus Claims, Part 2	
Fri. May 28	Practice Day 3	End of the Year Rally Schedule
Week #20		
Tues. May 26	A2.8 End of Unit Assessment	
Wed. May 27	Retake & Reflect	<i>Period 1 8:30am-10:30am</i> Period 2 10:45am-12:45pm <i>A Period</i>
Thur. May 28		<i>Period 3 8:30am-10:30am</i> Period 4 10:45am-12:45pm <i>B Period</i>
Fri. May 29		<i>Period 5 8:30am-10:30am</i> <i>Period 6 10:45am-12:45pm</i>
Have a great summer!		