

AP MATH GENIUS PROGRAM Making your child a genius at math SN Topic **Duration** A. Algebra I Genius - Accelerated / Regular 1 Linear Equations and Inequalities 4 Weeks 1.1 Solving linear equations Live Classes 1.2 Solving linear inequalities Online lessons 1.3 Graphing linear equations and inequalities Math Genius Activities / Worksheet 1.4 Systems of linear equations and inequalities **Review** 1 week 2 Functions and Graphs 4 weeks 2.1 Function Notation 2.2 Domain and Range 2.3 Operations on Functions Live Classes Online lessons 2.4 Composite Functions Math Genius Activities / Worksheets 2.5 Transformations of Functions 2.6 Inverse Functions 2.7 Introduction to Exponential and Logarithmic Functions PTA & Review 1 week 3 Polynomial and Rational Functions 4 weeks 3.1 Polynomial Functions and Their Graphs Live Classes 3.2 Polynomial Division Online lessons 3.3 Real Zeros of Polynomial Functions Math Genius Activities / Worksheets 3.4 Rational Functions and Asymptotes **PTA & Review** 1 week 4 Quadratic Equations 4 weeks 4.1 Solving quadratic equations by factoring 4.2 completing the square Live Classes 4.3 Quadratic formula Online lessons Math Genius Activities / Worksheets 4.4 Graphing quadratic functions 4.5 Properties of parabolas (vertex, axis of symmetry)

5 Rational Expressions and Functions

4 weeks

5.1	Simplifying rational expressions	
	Multiplying and dividing rational expressions	Live Classes
	Adding and subtracting rational expressions	Online lessons Math Genius Activities / Worksheets
	Solving rational equations	Watir Gerilds Activities / Worksheets
	PTA & Review	1 week
B.	Algebra II Genius - Accelerated/F	Regular
1	Complex Numbers	4 weeks
1.1	Imaginary unit i	
1.2	Addition and Multiplication of Complex numbers	Live Classes Online lessons
1.3	Multiplication and Division of Complex numbers	Math Genius Activities / Worksheets
1.4	Polar form of complex numbers	
	PTA & Review	1 week
2	Advanced Functions	4 Weeks
2.1	Polynomial functions and their graphs	
2.2	Rational functions and asymptotes	Live Classes Online lessons
2.3	Exponential functions	Math Genius Activities / Worksheets
2.4	Logarithmic functions (properties, solving equations)	
	PTA & Review	1 week
3	Systems of Equations and Inequalities	4 Weeks
3.1	Solving systems of linear equations - substitution	
3.2	Solving systems of linear equations - elimination	Live Classes
3.3	Solving systems of linear equations - matrices	Online lessons
	Solving systems of nonlinear equations	Math Genius Activities / Worksheets
3.5	Linear programming	
	PTA & Review	1 week
4	Matrices	4 Weeks
	Matrix operations - addition, subtraction	
	Matrix operations - multiplication	Live Classes
	Determinants and inverses	Online lessons
	Dotominante and involved	Math Genius Activities / Worksheets
4.4	Solving systems of equations using matrices	
4.4	Solving systems of equations using matrices PTA & Review	
4.4		
		4 Weeks
5	PTA & Review	4 Weeks
5 5.1	PTA & Review Conic Sections	Live Classes
5 5.1 5.2	PTA & Review Conic Sections Parabolas	

	PTA & Review	1 week
6	Probability and Statistics	4 Weeks
6.1	Permutations and combinations	
6.2	Probability rules and calculations	Live Classes Online lessons
6.3	Descriptive statistics (mean, median, mode, standard deviation)	Math Genius Activities / Worksheets
6.4	Probability distributions	
	PTA & Review	1 week
C.	Geometry Genius - Accelerated/Regular	
1	Superfast 2D & 3D Shapes and Angles	4 Weeks
1.1	Identify popular 2D shapes	
1.2	Identify popular 3D shapes	
1.3	Transversal, parallel, and intersecting lines	Live Classes
1.4	Names and values of angles	Online lessons
1.5	Angles in clocks	Math Genius Activities / Worksheets
1.6	Angles in compass bearings	
1.7	Angle pairs	
	PTA & Review	1 week
2	Superfast Triangles	5 Weeks
2.1	Identify popular triangle types	Live Classes
2.2	Identify popular triangle angles	
2.3	Perimeter of triangles	
2.4	Area of triangles	
2.5	Right Triangles	Online lessons
2.6	Similar triangles by AA	Math Genius Activities / Worksheets
2.7	Similar triangles by SAS	
2.8	Similar triangles by SSS	
2.9	Similar triangles by RHS	
	PTA & Review	1 week
3	Superfast Quadrilaterals & Polygons	4 Weeks
3.1	Identify different quadrilaterals	
3.2	Angles in a quadrilateral	
3.3	Properties of their diagonals	
3.4	Perimeter of different quadrilaterals	Live Classes Online lessons
3.5	Area of different quadrilaterals	Math Genius Activities / Worksheets
3.6	Interior angles of a polygon	
3.7	Exterior angles of a polygon	
3.8	Compound shapes involving quadrilaterals and polygons	
	PTA & Review	1 week
4	Superfast Circles	3 Weeks
4.1	Parts of a circle	

4.2	Circumference of a circle	
	Area of a circle	
	Subtended angles	
	Cyclic quadrilateral	Live Classes Online lessons
	Chords	Math Genius Activities / Worksheets
	Tangents	
	Major and minor arc lengths	
	Major and minor sector area	
4.5	PTA & Review	1 week
5	Superfast Surface Area & Volume of 3D Shapes	4 Weeks
	Types of 3D shapes	
	Surface Area – Sphere, Cylinder, Cone	Live Classes Online lessons
	Volume – Sphere, Cylinder, Cone	Math Genius Activities / Worksheets
5.5	PTA & Review	1 week
6	Superfast Transformations & Symmetry	5 Weeks
	Reflective symmetry	O WEEKS
	Rotational symmetry	
	Translation	
	Reflection	Live Classes Online lessons
	Rotation	Math Genius Activities / Worksheets
	Dilation	
	Transformations in depth	
0.7	PTA & Review	1 week
7	Coordinate Geometry	4 Weeks
	Distance formula	- 1100110
	Midpoint formula	Live Classes
	Slope of a line	Online lessons Math Genius Activities / Worksheets
	Equation of a line	Matir Gerilus Activities / Worksheets
	PTA & Review	1 week
8	Logical Proofs & Theorems	4 Weeks
	Writing logical proofs	
	Triangle congruence proofs	Live Classes
	Angle theorems	Online lessons Math Genius Activities / Worksheets
	Parallel line theorems	Iviati Ceriius Activities / Worksheets
	PTA & Review	1 week
9	Trigonometry Basics	4 Weeks
	Introduction to trigonometric ratios	
9.2	Using trigonometric ratios in right triangles	
9.3	Trigonometric values for special angles	Live Classes
	Inverse trigonometric functions	Online lessons
	Law of Sines	Math Genius Activities / Worksheets
	Law of Cosines	
	Trigonometric identities	

	PTA & Review	1 week
10	Analytic Geometry	3 Weeks
10.1	Equations of circles	Live Classes
10.2	Ellipses and hyperbolas	Online lessons
10.3	Parabolas	Math Genius Activities / Worksheets
	PTA & Review	1 week
11	Other Advanced Geometry Topics	3 Weeks
11.1	Introduction to vectors & Applications in Geometry	
11.2	Non-Euclidean Geometry - Spherical and hyperbolic	
11.3	Geometric Constructions	Live Classes Online lessons
11.4	Geometric Optimization	Math Genius Activities / Worksheets
11.5	Projective Geometry	
11.6	Mathematical Modeling	
	PTA & Review	1 week
D.	Pre-Calculus Genius - Accelerated	/ Regular
1	Trigonometry	4 weeks
1.1	Unit Circle and Trigonometric Functions	Live Classes Online lessons Math Genius Activities / Worksheets
1.2	Trigonometric Identities	
1.3	Graphs of Trigonometric Functions	
1.4	Inverse Trigonometric Functions	
	PTA & Review	1 week
	Analytic Trigonometry	4 wastes
2	raidiya iligonomoa y	4 weeks
	Trigonometric Equations	
2.1		Live Classes
2.1	Trigonometric Equations	
2.1 2.2 2.3	Trigonometric Equations Sum and Difference Formulas	Live Classes Online lessons
2.1 2.2 2.3	Trigonometric Equations Sum and Difference Formulas Double Angle and Half Angle Formulas	Live Classes Online lessons
2.1 2.2 2.3	Trigonometric Equations Sum and Difference Formulas Double Angle and Half Angle Formulas Trigonometric Equations and Inequalities	Live Classes Online lessons Math Genius Activities / Worksheets
2.1 2.2 2.3 2.4	Trigonometric Equations Sum and Difference Formulas Double Angle and Half Angle Formulas Trigonometric Equations and Inequalities PTA & Review	Live Classes Online lessons Math Genius Activities / Worksheets
2.1 2.2 2.3 2.4	Trigonometric Equations Sum and Difference Formulas Double Angle and Half Angle Formulas Trigonometric Equations and Inequalities PTA & Review	Live Classes Online lessons Math Genius Activities / Worksheets 1 week 4 weeks
2.1 2.2 2.3 2.4 3 3.1	Trigonometric Equations Sum and Difference Formulas Double Angle and Half Angle Formulas Trigonometric Equations and Inequalities PTA & Review Exponential and Logarithmic Functions	Live Classes Online lessons Math Genius Activities / Worksheets 1 week 4 weeks Live Classes
2.1 2.2 2.3 2.4 3 3.1 3.2	Trigonometric Equations Sum and Difference Formulas Double Angle and Half Angle Formulas Trigonometric Equations and Inequalities PTA & Review Exponential and Logarithmic Functions Exponential Functions	Live Classes Online lessons Math Genius Activities / Worksheets 1 week 4 weeks
2.1 2.2 2.3 2.4 3 3.1 3.2 3.3	Trigonometric Equations Sum and Difference Formulas Double Angle and Half Angle Formulas Trigonometric Equations and Inequalities PTA & Review Exponential and Logarithmic Functions Exponential Functions Logarithmic Functions	Live Classes Online lessons Math Genius Activities / Worksheets 1 week 4 weeks Live Classes Online lessons
2.1 2.2 2.3 2.4 3 3.1 3.2 3.3	Trigonometric Equations Sum and Difference Formulas Double Angle and Half Angle Formulas Trigonometric Equations and Inequalities PTA & Review Exponential and Logarithmic Functions Exponential Functions Logarithmic Functions Properties of Logarithms	Live Classes Online lessons Math Genius Activities / Worksheets 1 week 4 weeks Live Classes Online lessons
2.1 2.2 2.3 2.4 3 3.1 3.2 3.3 3.4	Trigonometric Equations Sum and Difference Formulas Double Angle and Half Angle Formulas Trigonometric Equations and Inequalities PTA & Review Exponential and Logarithmic Functions Exponential Functions Logarithmic Functions Properties of Logarithmic Equations Exponential and Logarithmic Equations PTA & Review	Live Classes Online lessons Math Genius Activities / Worksheets 1 week 4 weeks Live Classes Online lessons Math Genius Activities / Worksheets 1 week
2.1 2.2 2.3 2.4 3 3.1 3.2 3.3 3.4	Trigonometric Equations Sum and Difference Formulas Double Angle and Half Angle Formulas Trigonometric Equations and Inequalities PTA & Review Exponential and Logarithmic Functions Exponential Functions Logarithmic Functions Properties of Logarithms Exponential and Logarithmic Equations PTA & Review Systems of Vectors, Equations and Matrices	Live Classes Online lessons Math Genius Activities / Worksheets 1 week 4 weeks Live Classes Online lessons Math Genius Activities / Worksheets 1 week
2.1 2.2 2.3 2.4 3 3.1 3.2 3.3 3.4	Trigonometric Equations Sum and Difference Formulas Double Angle and Half Angle Formulas Trigonometric Equations and Inequalities PTA & Review Exponential and Logarithmic Functions Exponential Functions Logarithmic Functions Properties of Logarithms Exponential and Logarithmic Equations PTA & Review Systems of Vectors, Equations and Matrices Systems of Linear Equations	Live Classes Online lessons Math Genius Activities / Worksheets 1 week 4 weeks Live Classes Online lessons Math Genius Activities / Worksheets 1 week 4 weeks
2.1 2.2 2.3 2.4 3.1 3.2 3.3 3.4 4.1 4.2	Trigonometric Equations Sum and Difference Formulas Double Angle and Half Angle Formulas Trigonometric Equations and Inequalities PTA & Review Exponential and Logarithmic Functions Exponential Functions Logarithmic Functions Properties of Logarithms Exponential and Logarithmic Equations PTA & Review Systems of Vectors, Equations and Matrices Systems of Linear Equations Gaussian Elimination and Matrix Operations	Live Classes Online lessons Math Genius Activities / Worksheets 1 week 4 weeks Live Classes Online lessons Math Genius Activities / Worksheets 1 week
2.1 2.2 2.3 2.4 3 3.1 3.2 3.3 3.4 4.1 4.2 4.3	Trigonometric Equations Sum and Difference Formulas Double Angle and Half Angle Formulas Trigonometric Equations and Inequalities PTA & Review Exponential and Logarithmic Functions Exponential Functions Logarithmic Functions Properties of Logarithms Exponential and Logarithmic Equations PTA & Review Systems of Vectors, Equations and Matrices Systems of Linear Equations	Live Classes Online lessons Math Genius Activities / Worksheets 1 week 4 weeks Live Classes Online lessons Math Genius Activities / Worksheets 1 week 4 weeks Live Classes Live Classes

	PTA & Review	1 week
5	Analytic Geometry	4 weeks
5.1	Conic Sections (Circle, Parabola, Ellipse, Hyperbola)	Live Classes
5.2	Parametric Equations and Graphs	Online lessons
	Polar Coordinates and Graphs	Math Genius Activities / Worksheets
5.4	Complex numbers in polar form	
5.5	De Moivre's Theorem	
	PTA & Review	1 week
6	Sequences and Series	4 weeks
	•	+ WEEKS
	and the state of t	Live Classes
	Geometric Sequences and Series Infinite Geometric Series	Online lessons
		Math Genius Activities / Worksheets
0.4	Convergence and Divergence of Series	4
	PTA & Review	1 week
7	Introduction to Limits and Continuity	4 weeks
7.1	Understanding Limits	
7.2	Continuity of Functions	Live Classes Online lessons Math Genius Activities / Worksheet
7.3	Intermediate Value Theorem	
7.4	Limits at Infinity	
	PTA & Review	1 week
Q	Introduction to Derivatives and Integrals	4 weeks
		4 WEEKS
0 1	Concept of a derivative	
	Pagia differentiation rules	Live Classes
8.2	Basic differentiation rules	Online lessons
8.2 8.3	Concept of an integral	
8.2 8.3	Concept of an integral Basic integration techniques	Online lessons Math Genius Activities / Worksheets
8.2 8.3	Concept of an integral	Online lessons
8.2 8.3 8.4	Concept of an integral Basic integration techniques	Online lessons Math Genius Activities / Worksheets
8.2 8.3 8.4	Concept of an integral Basic integration techniques PTA & Review	Online lessons Math Genius Activities / Worksheets
8.2 8.3 8.4	Concept of an integral Basic integration techniques PTA & Review Calculus AB Genius Limits and Continuity	Online lessons Math Genius Activities / Worksheets 1 week
8.2 8.3 8.4 E 1.1	Concept of an integral Basic integration techniques PTA & Review Calculus AB Genius Limits and Continuity	Online lessons Math Genius Activities / Worksheets 1 week
8.2 8.3 8.4 E 1.1 1.2	Concept of an integral Basic integration techniques PTA & Review Calculus AB Genius Limits and Continuity Understanding Limits Graphically and Numerically	Online lessons Math Genius Activities / Worksheets 1 week 4 weeks Live Classes
8.2 8.3 8.4 E 1.1 1.2	Concept of an integral Basic integration techniques PTA & Review Calculus AB Genius Limits and Continuity Understanding Limits Graphically and Numerically Properties of Limits	Online lessons Math Genius Activities / Worksheets 1 week 4 weeks Live Classes Online lessons
8.2 8.3 8.4 E 1.1 1.2 1.3	Concept of an integral Basic integration techniques PTA & Review Calculus AB Genius Limits and Continuity Understanding Limits Graphically and Numerically Properties of Limits Calculating Limits Algebraically	Online lessons Math Genius Activities / Worksheets 1 week 4 weeks Live Classes Online lessons
8.2 8.3 8.4 E 1.1 1.2 1.3 1.4	Concept of an integral Basic integration techniques PTA & Review Calculus AB Genius Limits and Continuity Understanding Limits Graphically and Numerically Properties of Limits Calculating Limits Algebraically One-sided Limits	Online lessons Math Genius Activities / Worksheets 1 week 4 weeks Live Classes

2	Introduction to Derivatives and Integrals	4 weeks
2.1	Concept of a derivative	
2.2	Basic differentiation rules	Live Classes
2.3	Concept of an integral	Online lessons Math Genius Activities / Worksheets
2.4	Basic integration techniques	
	PTA & Review	1 week
3	Applications of Derivatives	4 weeks
3.1	Analysis of Graphs (Increasing/Decreasing, Concavity, Points of Inflection)	
3.2	Optimization Problems (Maxima and Minima)	Live Classes
3.3	Curve Sketching (Critical Points, First and Second Derivative Tests)	Online lessons Math Genius Activities / Worksheets
3.4	Linear Approximation and Differentials	
	PTA & Review	1 week
4	Integration and Accumulation of Change	4 weeks
	Antiderivatives and Indefinite Integrals	
4.2	Definite Integrals and the Fundamental Theorem of Calculus	Live Classes Online lessons Math Genius Activities / Worksheet
	Riemann Sums and the Trapezoidal Rule	
	Area Between Curves	
	Applications of Integration (Net Change, Average Value of a Function)	
	PTA & Review	1 week
5	Applications of Integration to Geometry	4 weeks
5.1	Area Under a Curve	
5.2	Volume of Revolution (Disk Method, Washer Method)	Live Classes Online lessons Math Genius Activities / Worksheet
	Arc Length	
5.4	Surface Area of Revolution	Watir Gerilds Activities / Workshe
	PTA & Review	1 week
6	Differential Equations	4 weeks
6.1	Slope Fields and Euler's Method	Live Classes
6.2	Separable Differential Equations	Online lessons
	Exponential Growth and Decay	Math Genius Activities / Worksheet
6.3		
6.3	PTA & Review	1 week
	PTA & Review	1 week 4 weeks
7	PTA & Review Applications of the Definite Integral	
7	PTA & Review	

7.4	Work, Average Value, and Fluid Problems	
	PTA & Review	1 week
•	A 1 (1 1 0 1	
	Analytical Geometry	4 weeks
	Parametric Equations and Calculus	Live Classes
8.2	Polar Coordinates and Calculus	Online lessons
8.3	Vectors and Calculus (Vector Functions, Tangent and Normal Vectors)	Math Genius Activities / Worksheets
	PTA & Review	1 week
9	Infinite Sequences and Series	4 weeks
9.1	Sequences (Convergence, Divergence)	Live Classes
9.2	Series (Geometric Series, p-Series, Convergence Tests)	Online lessons
9.3	Taylor and Maclaurin Series	Math Genius Activities / Worksheets
	PTA & Review	1 week
П	Calculus BC Genius	
1	Review of Calculus AB Topics	4 weeks
1.1	Limits and Continuity	Live Classes Online lessons Math Genius Activities / Worksheets
1.2	Differentiation and its Applications	
1.3	Integration and its Applications	
1.4	Differential Equations	
1.5	Applications of the Definite Integral	
	PTA & Review	1 week
2	Further Techniques and Applications of Integ	4 weeks
2.1	Integration by Parts	
2.2	Trigonometric Integrals and Substitutions	Live Classes Online lessons Math Genius Activities / Worksheets
2.3	Partial Fractions	
2.4	Improper Integrals	
2.5	Numerical Integration (Trapezoidal Rule, Simpson's Rule)	
	PTA & Review	1 week
3	Parametric, Polar, and Vector Functions	4 weeks
3.1	Parametric Equations and Curves	
3.2	Calculus with Parametric Curves (Derivatives, Arc Length, Surface	
3.3	Polar Coordinates and Graphs	Live Classes
3.4	Calculus with Polar Curves (Derivatives, Arc Length, Area)	Online lessons
3.5	Vectors in Two and Three Dimensions	Math Genius Activities / Worksheets
3.6	Dot Product and Cross Product	
3.7	Motion in Space	

	PTA & Review	1 week
4	Infinite Sequences and Series	4 weeks
4.1	Convergence and Divergence of Series	
4.2	Tests for Convergence (Comparison Test, Limit Comparison Test, A	Live Classes
4.3	Power Series and Interval of Convergence	Online lessons
	Taylor and Maclaurin Series	Math Genius Activities / Workshee
4.5	Applications of Taylor Series (Approximations, Error Estimation)	
	PTA & Review	1 week
5	Advanced Differential Calculus	4 weeks
	L'Hôpital's Rule	Live Classes Online lessons
	Improper Integrals	Math Genius Activities / Workshee
5.3	Differential Equations (Separation of Variables, Exact Equations, Int	
	PTA & Review	1 week
6	Advanced Applications of Integration	4 weeks
6.1	Area Between Curves (Polar Coordinates)	
6.2	Volume of Solids with Known Cross-Sections	Live Classes Online lessons Math Genius Activities / Workshee
6.3	Arc Length and Surface Area in Parametric and Polar Forms	
6.4	Differential Equations (Models involving Newton's Law of Cooling, L	
	PTA & Review	1 week
7	Advanced Tenics in Coloulus	4 weeks
	Advanced Topics in Calculus	4 weeks
	Sequences and Series of Functions	Live Classes
	Convergence and Uniform Convergence	Online lessons Math Genius Activities / Workshe
7.3	Fourier Series (Concepts and Applications)	
	PTA & Review	1 week
8	Advanced Techniques in Integration	4 weeks
8.1	Integration Techniques (Partial Fractions, Trigonometric Integrals, Ir	Livo Classos
8.2	Improper Integrals and Comparison Tests	Online lessons
	Applications of Integration (Centroids, Moments of Inertia, Fluid Pre	Moth Conius Astivities / Markok
	PTA & Review	1 week
9	Advanced Differential Equations	4 weeks
9	Advanced Differential Equations Second-Order Differential Equations (Homogeneous, Non-homoger	4 weeks Live Classes
9.1	-	Live Classes Online lessons
9.1	Second-Order Differential Equations (Homogeneous, Non-homoger	Live Classes

G	AP Statistics Genius	
1	Exploring Data	4 weeks
	Overview of Data Analysis	
1.2	Types of Data and Variables	
1.3	Describing Data Using Numerical and Graphical Methods	
1.4	Measures of Central Tendency (Mean, Median, Mode)	Live Classes
1.5	Measures of Variability (Range, Variance, Standard Deviation)	Online lessons Math Genius Activities / Worksheets
1.6	Frequency Distributions and Histograms	
1.7	Stem-and-Leaf Plots	
1.8	Boxplots (Box-and-Whisker Plots)	
	PTA & Review	1 week
2	Exploratory Data Analysis (EDA)	4 weeks
2.1	Quartiles, Interquartile Range (IQR)	Live Classes
2.2	Scatterplots and Correlation	Online lessons
2.3	Outliers and Influential Points	Math Genius Activities / Worksheets
	PTA & Review	1 week
3	Sampling and Experimentation	4 weeks
3.1	Planning and Conducting Surveys	
3.2	Types of Sampling Methods	
3.3	Simple Random Sampling	
3.4	Stratified Sampling	
3.5	Cluster Sampling	Live Classes
3.6	Systematic Sampling	Online lessons
3.7	Experimental Design Principles	Math Genius Activities / Worksheets
3.8	Control, Randomization, Replication	
3.9	Bias in Sampling and Experiments	
3.10	Selection Bias, Nonresponse Bias, Undercoverage	
3.11	Observational Studies vs. Experiments	
	PTA & Review	1 week
4	Anticipating Patterns	4 weeks
4.1	Probability	
4.2	Basic Probability Rules	
4.3	Conditional Probability	
4.4	Independence and Multiplication Rule	
4.5	Discrete Probability Distributions	
4.6	Binomial Distribution	Live Classes
4.7	Geometric Distribution	Online lessons Math Genius Activities / Worksheets
4.8	Poisson Distribution	

4.9 Sampling Distributions 4.10 Sampling Distribution of a Sample Mean 4.11 Central Limit Theorem 4.12 Statistical Inference PTA & Review 1 week 5 Confidence Intervals 5.1 Confidence Interval for a Population Mean 5.2 Confidence Interval for a Population Proportion 5.3 Hypothesis Testing 5.4 Null and Alternative Hypotheses 5.5 Type I and Type II Errors 5.6 P-Values and Significance Levels 5.7 Inference for Means and Proportions 5.8 One-Sample and Two-Sample Tests 5.9 Paired Data 5.10 Chi-Square Tests 5.11 Goodness-of-Fit Test 5.12 Test for Independence (Contingency Tables) PTA & Review 1 week 6 Linear Regression and Correlation 6.1 Scatterplots and Correlation Coefficient (r) 6.2 Linear Regression Model 6.3 Least-Squares Regression Line 6.4 Interpreting Regression Output 6.5 Residual Analysis 6.6 Residual Plots 6.7 Checking Assumptions of Linear Regression 6.8 Influential Points and Outliers 6.9 Transformations to Achieve Linearity PTA & Review 1 week 1 week 1 week	4.10 Samp 4.11 Centr 4.12 Statis PTA 5 Cor 5.1 Confi 5.2 Confi 5.3 Hypo 5.4 Null a 5.5 Type 5.6 P-Val 5.7 Infere 5.8 One- 5.9 Paire 5.10 Chi-S 5.11 Good 5.12 Test t PTA 6 Line 6.1 Scatt 6.2 Linea 6.3 Leasi 6.4 Interp 6.5 Resid 6.6 Resid 6.7 Check 6.8 Influe 6.9 Trans	pling Distribution of a Sample Mean ral Limit Theorem stical Inference & Review Infidence Intervals idence Interval for a Population Mean idence Interval for a Population Proportion othesis Testing and Alternative Hypotheses I and Type II Errors lues and Significance Levels ence for Means and Proportions Sample and Two-Sample Tests ad Data Square Tests dness-of-Fit Test for Independence (Contingency Tables) & Review Regression and Correlation terplots and Correlation Coefficient (r)	Live Classes Online lessons Math Genius Activities / Worksheets 1 week
4.11 Central Limit Theorem 4.12 Statistical Inference PTA & Review 1 week 5 Confidence Intervals 5.1 Confidence Interval for a Population Mean 5.2 Confidence Interval for a Population Proportion 5.3 Hypothesis Testing 5.4 Null and Alternative Hypotheses 5.5 Type I and Type II Errors 5.6 P-Values and Significance Levels 5.7 Inference for Means and Proportions 6.8 One-Sample and Two-Sample Tests 6.9 Paired Data 6.10 Chi-Square Tests 6.11 Goodness-of-Fit Test 6.12 Test for Independence (Contingency Tables) PTA & Review 1 week 6 Linear Regression and Correlation 6.1 Scatterplots and Correlation Coefficient (r) 6.2 Linear Regression Model 6.3 Least-Squares Regression Line 6.4 Interpreting Regression Output 6.5 Residual Analysis 6.6 Residual Piots 6.7 Checking Assumptions of Linear Regression 6.8 Influential Points and Outliers 6.9 Transformations to Achieve Linearity PTA & Review 1 week 1 week 1 week 4 weeks 1 week	4.11 Centre 4.12 Statis PTA 5 Cor 5.1 Confi 5.2 Confi 5.3 Hypo 5.4 Null a 5.5 Type 5.6 P-Val 5.7 Infere 5.8 One- 5.9 Paire 5.10 Chi-S 5.11 Good 5.12 Test t PTA 6 Line 6.1 Scatt 6.2 Linea 6.3 Leasi 6.4 Interp 6.5 Resid 6.6 Resid 6.7 Check 6.8 Influe 6.9 Trans	ral Limit Theorem stical Inference A Review Infidence Intervals Idence Interval for a Population Mean Idence Interval for a Population Proportion Inthesis Testing Idence Interval for a Population Proportion Inthesis Testing Idence Interval for a Population Proportion Idence Interval	Live Classes Online lessons Math Genius Activities / Worksheets 1 week
4.12 Statistical Inference PTA & Review 1 week 5 Confidence Intervals 5.1 Confidence Interval for a Population Mean 5.2 Confidence Interval for a Population Proportion 5.3 Hypothesis Testing 5.4 Null and Alternative Hypotheses 5.5 Type I and Type II Errors 5.6 P-Values and Significance Levels 5.7 Inference for Means and Proportions 5.8 One-Sample and Two-Sample Tests 5.9 Paired Data 5.10 Chi-Square Tests 5.11 Goodness-of-Fit Test 5.12 Test for Independence (Contingency Tables) PTA & Review 1 week 6 Linear Regression and Correlation 6.1 Scatterplots and Correlation Coefficient (r) 6.2 Linear Regression Model 6.3 Least-Squares Regression Line 6.4 Interpreting Regression Output 6.5 Residual Analysis 6.6 Residual Plots 6.7 Checking Assumptions of Linear Regression 6.8 Influential Points and Outliers 6.9 Transformations to Achieve Linearity PTA & Review 1 week 1 week 4 weeks 1 week	4.12 Statis PTA 5 Cor 5.1 Confi 5.2 Confi 5.3 Hypo 5.4 Null a 5.5 Type 5.6 P-Val 5.7 Infere 5.8 One- 5.9 Paire 5.10 Chi-S 5.11 Good 5.12 Test t PTA 6 Line 6.1 Scatt 6.2 Linea 6.3 Leasi 6.4 Interp 6.5 Resid 6.6 Resid 6.7 Check 6.8 Influe 6.9 Trans	A Review Infidence Intervals Idence Interval for a Population Mean Idence Interval for a Population Proportion Idence Interval for a Population Proporti	Live Classes Online lessons Math Genius Activities / Worksheets 1 week
PTA & Review 5 Confidence Intervals 5.1 Confidence Interval for a Population Mean 5.2 Confidence Interval for a Population Mean 5.3 Hypothesis Testing 5.4 Null and Alternative Hypotheses 5.5 Type I and Type II Errors 5.6 P-Values and Significance Levels 5.7 Inference for Means and Proportions 5.8 One-Sample and Two-Sample Tests 5.9 Paired Data 5.10 Chi-Square Tests 5.11 Goodness-of-Fit Test 5.12 Test for Independence (Contingency Tables) PTA & Review 1 week 6 Linear Regression and Correlation 6.1 Scatterplots and Correlation Coefficient (r) 6.2 Linear Regression Model 6.3 Least-Squares Regression Line 6.4 Interpreting Regression Output 6.5 Residual Analysis 6.6 Residual Plots 6.7 Checking Assumptions of Linear Regression 6.8 Influential Points and Outliers 6.9 Transformations to Achieve Linearity PTA & Review 1 week 4 weeks 1 week	5 Cor 5.1 Confi 5.2 Confi 5.2 Confi 5.3 Hypo 5.4 Null a 5.5 Type 5.6 P-Val 5.7 Infere 5.8 One-5.9 Paire 5.10 Chi-S 5.11 Good 5.12 Test 1 PTA 6 Line 6.1 Scatt 6.2 Linea 6.3 Leasi 6.4 Interp 6.5 Resid 6.6 Resid 6.7 Chec 6.8 Influe 6.9 Trans	A Review Infidence Intervals Idence Interval for a Population Mean Idence Interval for a Population Proportion Idence Interval for Idence Interval for Id	Live Classes Online lessons Math Genius Activities / Worksheets 1 week
5 Confidence Intervals 5.1 Confidence Interval for a Population Mean 5.2 Confidence Interval for a Population Proportion 5.3 Hypothesis Testing 5.4 Null and Alternative Hypotheses 5.5 Type I and Type II Errors 5.6 P-Values and Significance Levels 5.7 Inference for Means and Proportions 5.8 One-Sample and Two-Sample Tests 5.9 Paired Data 5.10 Chi-Square Tests 5.11 Goodness-of-Fit Test 5.12 Test for Independence (Contingency Tables) PTA & Review 1 week 6 Linear Regression and Correlation 6.1 Scatterplots and Correlation Coefficient (r) 6.2 Linear Regression Model 6.3 Least-Squares Regression Line 6.4 Interpreting Regression Output 6.5 Residual Analysis 6.6 Residual Plots 6.7 Checking Assumptions of Linear Regression 6.8 Influential Points and Outliers 6.9 Transformations to Achieve Linearity PTA & Review 1 week 4 weeks	5.1 Confi 5.2 Confi 5.3 Hypo 5.4 Null a 5.5 Type 5.6 P-Val 5.7 Infere 5.8 One- 5.9 Paire 5.10 Chi-S 5.11 Good 5.12 Test t PTA 6.1 Scatt 6.1 Scatt 6.2 Linea 6.3 Leas 6.4 Interp 6.5 Resid 6.6 Resid 6.7 Ched 6.9 Trans	Infidence Intervals Indence Interval for a Population Mean Indence Interval for a Population Proportion Interval for a Pop	Live Classes Online lessons Math Genius Activities / Worksheets 1 week
5.1 Confidence Interval for a Population Mean 5.2 Confidence Interval for a Population Proportion 5.3 Hypothesis Testing 5.4 Null and Alternative Hypotheses 5.5 Type I and Type II Errors 5.6 P-Values and Significance Levels 5.7 Inference for Means and Proportions 5.8 One-Sample and Two-Sample Tests 5.9 Paired Data 5.10 Chi-Square Tests 5.11 Goodness-of-Fit Test 5.12 Test for Independence (Contingency Tables) PTA & Review 1 week 6 Linear Regression and Correlation 6.1 Scatterplots and Correlation Coefficient (r) 6.2 Linear Regression Model 6.3 Least-Squares Regression Line 6.4 Interpreting Regression Output 6.5 Residual Analysis 6.6 Residual Plots 6.7 Checking Assumptions of Linear Regression 6.8 Influential Points and Outliers 6.9 Transformations to Achieve Linearity PTA & Review 1 week 4 weeks 1 week	5.1 Confi 5.2 Confi 5.3 Hypo 5.4 Null a 5.5 Type 5.6 P-Val 5.7 Infere 5.8 One- 5.9 Paire 5.10 Chi-S 5.11 Good 5.12 Test the PTA 6 Line 6.1 Scatte 6.2 Linea 6.3 Leaste 6.4 Interp 6.5 Resid 6.6 Resid 6.7 Ched 6.8 Influe 6.9 Trans	idence Interval for a Population Mean idence Interval for a Population Proportion othesis Testing and Alternative Hypotheses I and Type II Errors Ilues and Significance Levels ence for Means and Proportions Sample and Two-Sample Tests ed Data Square Tests Independence (Contingency Tables) A Review Regression and Correlation Replots and Correlation Coefficient (r)	Live Classes Online lessons Math Genius Activities / Worksheets 1 week
5.1 Confidence Interval for a Population Mean 5.2 Confidence Interval for a Population Proportion 5.3 Hypothesis Testing 5.4 Null and Alternative Hypotheses 5.5 Type I and Type II Errors 5.6 P-Values and Significance Levels 5.7 Inference for Means and Proportions 5.8 One-Sample and Two-Sample Tests 5.9 Paired Data 5.10 Chi-Square Tests 5.11 Goodness-of-Fit Test 5.12 Test for Independence (Contingency Tables) PTA & Review 1 week 6 Linear Regression and Correlation 6.1 Scatterplots and Correlation Coefficient (r) 6.2 Linear Regression Model 6.3 Least-Squares Regression Line 6.4 Interpreting Regression Output 6.5 Residual Analysis 6.6 Residual Plots 6.7 Checking Assumptions of Linear Regression 6.8 Influential Points and Outliers 6.9 Transformations to Achieve Linearity PTA & Review 1 week 4 weeks 1 week	5.1 Confi 5.2 Confi 5.3 Hypo 5.4 Null a 5.5 Type 5.6 P-Val 5.7 Infere 5.8 One- 5.9 Paire 5.10 Chi-S 5.11 Good 5.12 Test the PTA 6 Line 6.1 Scatte 6.2 Linea 6.3 Leaste 6.4 Interp 6.5 Resid 6.6 Resid 6.7 Check 6.8 Influe 6.9 Trans	idence Interval for a Population Mean idence Interval for a Population Proportion othesis Testing and Alternative Hypotheses I and Type II Errors Ilues and Significance Levels ence for Means and Proportions Sample and Two-Sample Tests ed Data Square Tests Independence (Contingency Tables) A Review Regression and Correlation Replots and Correlation Coefficient (r)	Live Classes Online lessons Math Genius Activities / Worksheets 1 week
5.2 Confidence Interval for a Population Proportion 5.3 Hypothesis Testing 5.4 Null and Alternative Hypotheses 5.5 Type I and Type II Errors 5.6 P-Values and Significance Levels 6.7 Inference for Means and Proportions 6.8 One-Sample and Two-Sample Tests 6.9 Paired Data 6.1 Goodness-of-Fit Test 6.1 Test for Independence (Contingency Tables) PTA & Review 1 week 6 Linear Regression and Correlation 6.1 Scatterplots and Correlation Coefficient (r) 6.2 Linear Regression Model 6.3 Least-Squares Regression Line 6.4 Interpreting Regression Output 6.5 Residual Analysis 6.6 Residual Plots 6.7 Checking Assumptions of Linear Regression 6.8 Influential Points and Outliers 6.9 Transformations to Achieve Linearity PTA & Review 1 week Live Classes Online lessons Math Genius Activities / Worksheets Live Classes Online lessons Math Genius Activities / Worksheets 4 Weeks 1 week	5.2 Confi 5.3 Hypo 5.4 Null a 5.5 Type 5.6 P-Val 5.7 Infere 5.8 One- 5.9 Paire 5.10 Chi-S 5.11 Good 5.12 Test t PTA 6.1 Scatt 6.2 Linea 6.3 Least 6.4 Interp 6.5 Resid 6.6 Resid 6.7 Ched 6.8 Influe 6.9 Trans	idence Interval for a Population Proportion othesis Testing and Alternative Hypotheses I and Type II Errors lues and Significance Levels ence for Means and Proportions Sample and Two-Sample Tests ed Data Square Tests dness-of-Fit Test for Independence (Contingency Tables) A Review Regression and Correlation terplots and Correlation Coefficient (r)	Online lessons Math Genius Activities / Worksheets 1 week
5.3 Hypothesis Testing 5.4 Null and Alternative Hypotheses 5.5 Type I and Type II Errors 5.6 P-Values and Significance Levels 5.7 Inference for Means and Proportions 5.8 One-Sample and Two-Sample Tests 5.9 Paired Data 5.10 Chi-Square Tests 6.0 Goodness-of-Fit Test 5.11 Goodness-of-Fit Test 5.12 Test for Independence (Contingency Tables) PTA & Review 1 week 6 Linear Regression and Correlation 6.1 Scatterplots and Correlation Coefficient (r) 6.2 Linear Regression Model 6.3 Least-Squares Regression Line 6.4 Interpreting Regression Output 6.5 Residual Analysis 6.6 Residual Plots 6.7 Checking Assumptions of Linear Regression 6.8 Influential Points and Outliers 6.9 Transformations to Achieve Linearity PTA & Review 1 week 4 weeks 1 week	5.3 Hypo 5.4 Null a 5.5 Type 5.6 P-Val 5.7 Infere 5.8 One- 5.9 Paire 5.10 Chi-S 5.11 Good 5.12 Test t PTA 6 Line 6.1 Scatt 6.2 Linea 6.3 Leas 6.4 Interp 6.5 Resid 6.6 Resid 6.7 Chec 6.8 Influe 6.9 Trans	and Alternative Hypotheses I and Type II Errors Ilues and Significance Levels ence for Means and Proportions Sample and Two-Sample Tests ed Data Square Tests dness-of-Fit Test for Independence (Contingency Tables) A Review Regression and Correlation terplots and Correlation Coefficient (r)	Online lessons Math Genius Activities / Worksheets 1 week
5.4 Null and Alternative Hypotheses 5.5 Type I and Type II Errors 5.6 P-Values and Significance Levels 5.7 Inference for Means and Proportions 5.8 One-Sample and Two-Sample Tests 5.9 Paired Data 5.10 Chi-Square Tests 5.11 Goodness-of-Fit Test 5.12 Test for Independence (Contingency Tables) PTA & Review 1 week 6 Linear Regression and Correlation 6.1 Scatterplots and Correlation Coefficient (r) 6.2 Linear Regression Model 6.3 Least-Squares Regression Line 6.4 Interpreting Regression Output 6.5 Residual Analysis 6.6 Residual Plots 6.7 Checking Assumptions of Linear Regression 6.8 Influential Points and Outliers 6.9 Transformations to Achieve Linearity PTA & Review 1 week Live Classes Online lessons Math Genius Activities / Worksheets Math Genius Activities / Worksheets 1 week 1 week	5.4 Null a 5.5 Type 5.6 P-Val 5.7 Infere 5.8 One- 5.9 Paire 5.10 Chi-S 5.11 Good 5.12 Test t PTA 6 Line 6.1 Scatt 6.2 Linea 6.3 Leas 6.4 Interp 6.5 Resid 6.6 Resid 6.7 Chec 6.8 Influe 6.9 Trans	and Alternative Hypotheses I and Type II Errors Ilues and Significance Levels ence for Means and Proportions Sample and Two-Sample Tests ed Data Square Tests Indicate Test	Online lessons Math Genius Activities / Worksheets 1 week
5.5 Type I and Type II Errors 5.6 P-Values and Significance Levels 5.7 Inference for Means and Proportions 5.8 One-Sample and Two-Sample Tests 5.9 Paired Data 5.10 Chi-Square Tests 5.11 Goodness-of-Fit Test 5.12 Test for Independence (Contingency Tables) PTA & Review 1 week 6 Linear Regression and Correlation 6.1 Scatterplots and Correlation Coefficient (r) 6.2 Linear Regression Model 6.3 Least-Squares Regression Line 6.4 Interpreting Regression Output 6.5 Residual Analysis 6.6 Residual Plots 6.7 Checking Assumptions of Linear Regression 6.8 Influential Points and Outliers 6.9 Transformations to Achieve Linearity PTA & Review 1 week Live Classes Online lessons Math Genius Activities / Worksheets Live Classes Online lessons Math Genius Activities / Worksheets 1 week Live Classes Online lessons Math Genius Activities / Worksheets 1 week Live Classes Online lessons Math Genius Activities / Worksheets 1 week	5.5 Type 5.6 P-Val 5.7 Infere 5.8 One- 5.9 Paire 5.10 Chi-S 5.11 Good 5.12 Test t PTA 6 Line 6.1 Scatt 6.2 Linea 6.3 Leas 6.4 Interp 6.5 Resid 6.6 Resid 6.7 Chec 6.8 Influe 6.9 Trans	I and Type II Errors Iues and Significance Levels ence for Means and Proportions Sample and Two-Sample Tests ed Data Square Tests dness-of-Fit Test for Independence (Contingency Tables) A Review ear Regression and Correlation terplots and Correlation Coefficient (r)	Online lessons Math Genius Activities / Worksheets 1 week
5.6 P-Values and Significance Levels 5.7 Inference for Means and Proportions 5.8 One-Sample and Two-Sample Tests 5.9 Paired Data 5.10 Chi-Square Tests 5.11 Goodness-of-Fit Test 5.12 Test for Independence (Contingency Tables) PTA & Review 1 week 6 Linear Regression and Correlation 6.1 Scatterplots and Correlation Coefficient (r) 6.2 Linear Regression Model 6.3 Least-Squares Regression Line 6.4 Interpreting Regression Output 6.5 Residual Analysis 6.6 Residual Plots 6.7 Checking Assumptions of Linear Regression 6.8 Influential Points and Outliers 6.9 Transformations to Achieve Linearity PTA & Review 1 week Live Classes Online lessons Math Genius Activities / Worksheets Live Classes Online lessons Math Genius Activities / Worksheets 4 weeks 1 week	5.6 P-Val 5.7 Infere 5.8 One- 5.9 Paire 5.10 Chi-S 5.11 Good 5.12 Test t PTA 6 Line 6.1 Scatt 6.2 Linea 6.3 Leas 6.4 Interp 6.5 Resid 6.6 Resid 6.7 Chec 6.8 Influe 6.9 Trans	lues and Significance Levels ence for Means and Proportions Sample and Two-Sample Tests ed Data Square Tests dness-of-Fit Test for Independence (Contingency Tables) A Review ear Regression and Correlation terplots and Correlation Coefficient (r)	Online lessons Math Genius Activities / Worksheets 1 week
5.7 Inference for Reans and Proportions 5.8 One-Sample and Two-Sample Tests 5.9 Paired Data 5.10 Chi-Square Tests 5.11 Goodness-of-Fit Test 5.12 Test for Independence (Contingency Tables) PTA & Review 1 week 6 Linear Regression and Correlation 6.1 Scatterplots and Correlation Coefficient (r) Linear Regression Model 6.3 Least-Squares Regression Line 6.4 Interpreting Regression Output Interpreting Regression Output 6.5 Residual Analysis 6.6 Residual Plots 6.7 Checking Assumptions of Linear Regression 6.8 Influential Points and Outliers 7 Inference for Relationships 4 weeks Online lessons Math Genius Activities / Worksheets Live Classes Online lessons Math Genius Activities / Worksheets 4 weeks 1 week	5.7 Inference 5.8 One- 5.9 Paire 5.10 Chi-S 5.11 Good 5.12 Test 1 PTA 6 Line 6.1 Scatt 6.2 Linea 6.3 Leas 6.4 Interp 6.5 Resid 6.7 Check 6.8 Influe 6.9 Trans	ence for Means and Proportions Sample and Two-Sample Tests ed Data Square Tests dness-of-Fit Test for Independence (Contingency Tables) A Review ear Regression and Correlation terplots and Correlation Coefficient (r)	Online lessons Math Genius Activities / Worksheets 1 week
5.8 One-Sample and Two-Sample Tests 5.9 Paired Data 5.10 Chi-Square Tests 5.11 Goodness-of-Fit Test 5.12 Test for Independence (Contingency Tables) PTA & Review 1 week 6 Linear Regression and Correlation 6.1 Scatterplots and Correlation Coefficient (r) 6.2 Linear Regression Model 6.3 Least-Squares Regression Line 6.4 Interpreting Regression Output 6.5 Residual Analysis 6.6 Residual Plots 6.7 Checking Assumptions of Linear Regression 6.8 Influential Points and Outliers 7 Inference for Relationships 4 weeks 4 weeks	5.8 One- 5.9 Paire 5.10 Chi-S 5.11 Good 5.12 Test 1 PTA 6 Line 6.1 Scatt 6.2 Linea 6.3 Leas 6.4 Interp 6.5 Resid 6.6 Resid 6.7 Chec 6.8 Influe 6.9 Trans	Sample and Two-Sample Tests ed Data Square Tests dness-of-Fit Test for Independence (Contingency Tables) A Review ear Regression and Correlation terplots and Correlation Coefficient (r)	1 week
5.9 Paired Data 5.10 Chi-Square Tests 5.11 Goodness-of-Fit Test 5.12 Test for Independence (Contingency Tables) PTA & Review 1 week 6 Linear Regression and Correlation 6.1 Scatterplots and Correlation Coefficient (r) 6.2 Linear Regression Model 6.3 Least-Squares Regression Line 6.4 Interpreting Regression Output 6.5 Residual Analysis 6.6 Residual Plots 6.7 Checking Assumptions of Linear Regression 6.8 Influential Points and Outliers 6.9 Transformations to Achieve Linearity PTA & Review 1 week 1 week 1 week 1 week	5.9 Paire 5.10 Chi-S 5.11 Good 5.12 Test 1 PTA 6 Line 6.1 Scatt 6.2 Linea 6.3 Leas 6.4 Interp 6.5 Resid 6.6 Resid 6.7 Chec 6.8 Influe 6.9 Trans	ed Data Square Tests dness-of-Fit Test for Independence (Contingency Tables) A Review ear Regression and Correlation terplots and Correlation Coefficient (r)	
5.10 Chi-Square Tests 5.11 Goodness-of-Fit Test 5.12 Test for Independence (Contingency Tables) PTA & Review 1 week 6 Linear Regression and Correlation 6.1 Scatterplots and Correlation Coefficient (r) 6.2 Linear Regression Model 6.3 Least-Squares Regression Line 6.4 Interpreting Regression Output 6.5 Residual Analysis 6.6 Residual Plots 6.7 Checking Assumptions of Linear Regression 6.8 Influential Points and Outliers 6.9 Transformations to Achieve Linearity PTA & Review 1 week 1 week 1 week	5.10 Chi-S 5.11 Good 5.12 Test 1 PTA 6 Line 6.1 Scatt 6.2 Linea 6.3 Leas 6.4 Interp 6.5 Resid 6.6 Resid 6.7 Chec 6.8 Influe 6.9 Trans	Square Tests dness-of-Fit Test for Independence (Contingency Tables) A Review ear Regression and Correlation terplots and Correlation Coefficient (r)	
5.11 Goodness-of-Fit Test 5.12 Test for Independence (Contingency Tables) PTA & Review 1 week 6 Linear Regression and Correlation 6.1 Scatterplots and Correlation Coefficient (r) 6.2 Linear Regression Model 6.3 Least-Squares Regression Line 6.4 Interpreting Regression Output 6.5 Residual Analysis 6.6 Residual Plots 6.7 Checking Assumptions of Linear Regression 6.8 Influential Points and Outliers 6.9 Transformations to Achieve Linearity PTA & Review 1 week 1 week 1 meek	5.11 Good 5.12 Test 1 PTA 6 Line 6.1 Scatt 6.2 Linea 6.3 Leasi 6.4 Interp 6.5 Resid 6.6 Resid 6.7 Chec 6.8 Influe 6.9 Trans	dness-of-Fit Test for Independence (Contingency Tables) & Review ear Regression and Correlation terplots and Correlation Coefficient (r)	
FTA & Review 6 Linear Regression and Correlation 6.1 Scatterplots and Correlation Coefficient (r) 6.2 Linear Regression Model 6.3 Least-Squares Regression Line 6.4 Interpreting Regression Output 6.5 Residual Analysis 6.6 Residual Plots 6.7 Checking Assumptions of Linear Regression 6.8 Influential Points and Outliers 6.9 Transformations to Achieve Linearity PTA & Review 1 week 1 week 1 week 1 week	5.12 Test 1 PTA 6 Line 6.1 Scatt 6.2 Linea 6.3 Leas 6.4 Interp 6.5 Resid 6.6 Resid 6.7 Chec 6.8 Influe 6.9 Trans	for Independence (Contingency Tables) A Review ear Regression and Correlation terplots and Correlation Coefficient (r)	
PTA & Review 6 Linear Regression and Correlation 6.1 Scatterplots and Correlation Coefficient (r) 6.2 Linear Regression Model 6.3 Least-Squares Regression Line 6.4 Interpreting Regression Output 6.5 Residual Analysis 6.6 Residual Plots 6.7 Checking Assumptions of Linear Regression 6.8 Influential Points and Outliers 6.9 Transformations to Achieve Linearity PTA & Review 1 week 1 week 1 week 1 week	6 Line 6.1 Scatt 6.2 Linea 6.3 Leasi 6.4 Interp 6.5 Resid 6.6 Resid 6.7 Chec 6.8 Influe 6.9 Trans	ear Regression and Correlation terplots and Correlation Coefficient (r)	
6 Linear Regression and Correlation 6.1 Scatterplots and Correlation Coefficient (r) 6.2 Linear Regression Model 6.3 Least-Squares Regression Line 6.4 Interpreting Regression Output 6.5 Residual Analysis 6.6 Residual Plots 6.7 Checking Assumptions of Linear Regression 6.8 Influential Points and Outliers 6.9 Transformations to Achieve Linearity PTA & Review 1 week 7 Inference for Relationships 4 weeks	6.1 Scatt 6.2 Linea 6.3 Leas 6.4 Interp 6.5 Resid 6.6 Resid 6.7 Chec 6.8 Influe 6.9 Trans	ear Regression and Correlation terplots and Correlation Coefficient (r)	
6.1 Scatterplots and Correlation Coefficient (r) 6.2 Linear Regression Model 6.3 Least-Squares Regression Line 6.4 Interpreting Regression Output 6.5 Residual Analysis 6.6 Residual Plots 6.7 Checking Assumptions of Linear Regression 6.8 Influential Points and Outliers 6.9 Transformations to Achieve Linearity PTA & Review 1 week 7 Inference for Relationships 4 weeks	6.1 Scatt 6.2 Linea 6.3 Leasi 6.4 Interp 6.5 Resid 6.6 Resid 6.7 Chec 6.8 Influe 6.9 Trans	terplots and Correlation Coefficient (r)	4 weeks
6.1 Scatterplots and Correlation Coefficient (r) 6.2 Linear Regression Model 6.3 Least-Squares Regression Line 6.4 Interpreting Regression Output 6.5 Residual Analysis 6.6 Residual Plots 6.7 Checking Assumptions of Linear Regression 6.8 Influential Points and Outliers 6.9 Transformations to Achieve Linearity PTA & Review 1 week 7 Inference for Relationships 4 weeks	6.1 Scatt 6.2 Linea 6.3 Leasi 6.4 Interp 6.5 Resid 6.6 Resid 6.7 Chec 6.8 Influe 6.9 Trans	terplots and Correlation Coefficient (r)	4 weeks
6.2 Linear Regression Model 6.3 Least-Squares Regression Line 6.4 Interpreting Regression Output 6.5 Residual Analysis 6.6 Residual Plots 6.7 Checking Assumptions of Linear Regression 6.8 Influential Points and Outliers 7 Transformations to Achieve Linearity PTA & Review 1 week 1 Inference for Relationships 4 weeks	6.2 Linea 6.3 Leas 6.4 Interp 6.5 Resid 6.6 Resid 6.7 Chec 6.8 Influe 6.9 Trans		
6.3 Least-Squares Regression Line 6.4 Interpreting Regression Output 6.5 Residual Analysis 6.6 Residual Plots 6.7 Checking Assumptions of Linear Regression 6.8 Influential Points and Outliers 6.9 Transformations to Achieve Linearity PTA & Review 1 week 7 Inference for Relationships 4 weeks	6.3 Leasi 6.4 Interp 6.5 Resid 6.6 Resid 6.7 Ched 6.8 Influe 6.9 Trans	ar Regression Model	
6.4 Interpreting Regression Output 6.5 Residual Analysis 6.6 Residual Plots 6.7 Checking Assumptions of Linear Regression 6.8 Influential Points and Outliers 6.9 Transformations to Achieve Linearity PTA & Review 1 week 7 Inference for Relationships 4 weeks	6.4 Interp 6.5 Resid 6.6 Resid 6.7 Chec 6.8 Influe 6.9 Trans		
6.5 Residual Analysis 6.6 Residual Plots 6.7 Checking Assumptions of Linear Regression 6.8 Influential Points and Outliers 6.9 Transformations to Achieve Linearity PTA & Review 1 week 7 Inference for Relationships 4 weeks	6.5 Resid 6.6 Resid 6.7 Ched 6.8 Influe 6.9 Trans	t-Squares Regression Line	
6.6 Residual Plots 6.7 Checking Assumptions of Linear Regression 6.8 Influential Points and Outliers 6.9 Transformations to Achieve Linearity PTA & Review 1 week 7 Inference for Relationships 4 weeks	6.6 Resid 6.7 Chec 6.8 Influe 6.9 Trans	preting Regression Output	Live Classes
6.6 Residual Piots 6.7 Checking Assumptions of Linear Regression 6.8 Influential Points and Outliers 6.9 Transformations to Achieve Linearity PTA & Review 1 week 7 Inference for Relationships 4 weeks	6.7 Chec 6.8 Influe 6.9 Trans	dual Analysis	
6.8 Influential Points and Outliers 6.9 Transformations to Achieve Linearity PTA & Review 1 week 7 Inference for Relationships 4 weeks	6.8 Influe	dual Plots	ivatii Geriius Activities / Worksheets
6.9 Transformations to Achieve Linearity PTA & Review 1 week 7 Inference for Relationships 4 weeks	6.9 Trans	cking Assumptions of Linear Regression	
PTA & Review 1 week 7 Inference for Relationships 4 weeks		ential Points and Outliers	
7 Inference for Relationships 4 weeks	РТА	sformations to Achieve Linearity	
		& Review	1 week
	7 Infe	erence for Relationships	4 weeks
7.1 Inference for Correlation and Slope	7.1 Infere	ence for Correlation and Slope	
7.2 Confidence Intervals for Correlation Coefficient	7.2 Confi	idence Intervals for Correlation Coefficient	
7.3 Testing the Significance of the Slope Live Classes	7.3 Testir	ng the Significance of the Slope	Live Classes
7.4 Multiple Regression Analysis Online lessons	7.4 Multip	ple Regression Analysis	Online lessons
7.5 Fitting Multiple Regression Models Math Genius Activities / Worksheets	7.5 Fitting		Math Genius Activities / Worksheets
7.6 Interpreting Multiple Regression Output	7.6 Interp	g Multiple Regression Models	
	7.7 Mode		
	PTA	preting Multiple Regression Output	

8	Probability Simulation	4 weeks
8.1	Monte Carlo Simulations	Live Classes
8.2	Using Simulation to Estimate Probabilities	Online lessons
8.3	Applications of Probability Simulation	Math Genius Activities / Worksheets
	PTA & Review	1 week
9	Analyzing Categorical Data	4 weeks
9.1	Analyzing Categorical Data	
9.2	Two-Way Tables and Marginal/Conditional Distributions	Live Classes Online lessons Math Genius Activities / Worksheets
9.3	Chi-Square Test of Independence	
9.4	Relative Risk and Odds Ratio	
	PTA & Review	1 week
10	Final Review and Exam Preparation	4 weeks
10.1	Review of Key Concepts and Techniques	Live Classes
10.2	Practice AP Statistics Exam Questions	Online lessons Math Genius Activities / Worksheets
10.3	Tips for Exam Day	
	PTA & Review	1 week
	Note: All enrollments are subject to our Terms and Conditions, which m/privacy-policy/.	n can be reviewed at https://www.