

Please Note:

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Publisher Resource:

[Statistics Through Applications](#)

Other Course Supplemental Resources:

Khan Academy Core - [Statistics and Probability](#)

- [AP Statistics](#)

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	Week	Major Concepts / Topics	Possible Resources
Quarter 1 Aug 16 – Oct 15	1 8/16 – 8/20	<ul style="list-style-type: none"> Section 1.1 – Where Do Data Come From Section 1.2 – Drawing Conclusions From Data 	Identifying individuals, variables and categorical variables in a data set - Khan Academy Unit: Analyzing categorical data - Khan Academy
	2 8/23 – 8/27	<ul style="list-style-type: none"> Assessment Section 2.1 – Displaying Distributions with Graphs 	Unit: Displaying quantitative data with graphs - Khan Academy Bar graphs - Khan Academy Line graphs - Khan Academy Pie graphs - Khan Academy Stem-and-leaf plots - Khan Academy
	3 8/30 – 9/3	<ul style="list-style-type: none"> Section 2.2 – Describing Distributions with Numbers Section 2.3 – Use and Misuse of Statistics 	Unit: Measuring center in quantitative data - Khan Academy Constructing a box plot - Khan Academy Reading a box plot - Khan Academy Mean, median, mode - Khan Academy Range and mid-range - Khan Academy Inferring population mean from sample mean - Khan Academy Sample standard deviation and bias - Khan Academy Reading pictographs - Khan Academy Misleading line graphs - Khan Academy
	4 9/6 – 9/10	<ul style="list-style-type: none"> Labor Day Holiday – 9/6 Review Assessment 3.1 – Measuring location in a Distribution 	Unit: Modeling data distributions - Khan Academy Introduction to normal distribution - Khan Academy
	5 9/13 – 9/17	<ul style="list-style-type: none"> Interims Issued – 9/14 3.2 – Normal Distributions 	Normal distribution - Khan Academy Normal distribution excel exercise - Khan Academy

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			Qualitative sense of normal distributions - Khan Academy Empirical rule - Khan Academy
	6 9/20 – 9/24	<ul style="list-style-type: none"> Review Assessment 	
	7 9/27 – 10/1	<ul style="list-style-type: none"> 4.1 Scatterplots and Correlation 	<i>Unit: Exploring bivariate numerical data - Khan Academy</i> Constructing a scatter plot - Khan Academy Calculating correlation coefficient r - Khan Academy Correlation and causality - Khan Academy
	8 10/4 – 10/8	<ul style="list-style-type: none"> 4.2 Regression and Prediction 	Introduction to residuals and least squares regression - Khan Academy Regression line example - Khan Academy Second regression line example - Khan Academy Calculating r -squared - Khan Academy R -squared or coefficient of determination - Khan Academy
	9 10/11 – 10/15	<ul style="list-style-type: none"> PSAT/NMSQT – 10/13 Review Assessment 	

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Quarter 2 Oct 18 – Dec 21	1 10/18 – 10/22	<ul style="list-style-type: none"> Teacher Planning Day – 10/18 Section 5.1 – Samples, Good and Bad 	<i>Unit: Study design - Khan Academy</i> Margin of error 1 - Khan Academy Margin of error 2 - Khan Academy Reasonable samples - Khan Academy
	2 10/25 – 10/29	<ul style="list-style-type: none"> Report Cards – 10/26 Section 5.2 – What Do Samples Tell Us? 	<i>Unit: Sampling distributions - Khan Academy</i>
	3 11/1 – 11/5	<ul style="list-style-type: none"> Section 5.3 – Sample Surveys in the Real World Review 	
	4 11/8 – 11/12	<ul style="list-style-type: none"> Veterans Day 11/11 Assessment 	
	5 11/15 – 11/19	<ul style="list-style-type: none"> Interims Issued – 11/16 Section 6.1 – Experiments, Good and Bad 	Introduction to experiment design - Khan Academy Matched pairs experiment design - Khan Academy
	6 11/22 – 11/26	<ul style="list-style-type: none"> Thanksgiving Holiday 11/24 – 11/26 Section 6.2 – Experiments in the Real World 	
	7 11/29 – 12/3	<ul style="list-style-type: none"> Section 6.3 – Data Ethics 	
	8 12/6 – 12/10	<ul style="list-style-type: none"> Review Assessment 	
	9 12/13 – 12/17	<ul style="list-style-type: none"> Standards Review 	
	10 12/20 – 12/24	<ul style="list-style-type: none"> Second Quarter/First Semester Ends – 12/21 Winter Break – 12/22 – 1/4 Midterm Standards Review 	

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Quarter 3 Jan 6 – Mar 10	1 1/5 – 1/7	<ul style="list-style-type: none"> Teacher Planning Day – 1/5 Section 7.1 – Randomness, Probability, and Simulations 	Unit: probability - Khan Academy Randomness, probability and simulation - Khan Academy
	2 1/10 – 1/14	<ul style="list-style-type: none"> Section 7.2 – Probability Rules 	Basic set operations - Khan Academy Addition rule - Khan Academy Multiplication rule for independent events - Khan Academy Multiplication rule for dependent events - Khan Academy
	3 1/17 – 1/21	<ul style="list-style-type: none"> Martin Luther King Jr. Holiday – 1/17 Report Cards – 1/19 Section 7.3 – Conditional Probability and Independence 	Conditional probability and independence - Khan Academy
	4 1/24 – 1/28	<ul style="list-style-type: none"> Review Assessment 	
	5 1/31 – 2/4	<ul style="list-style-type: none"> Section 8.1 - Probability Distributions 	Unit: Discrete random variables - Khan Academy Unit: Modeling data distributions - Khan Academy
	6 2/7 – 2/11	<ul style="list-style-type: none"> Teacher Inservice – 2/7 Interims Issued – 2/8 Section 8.2 – Counting and Probability 	Unit: Counting, permutations and combinations - Khan Academy Probability with counting outcomes - Khan Academy
	7 2/14 – 2/18	<ul style="list-style-type: none"> Section 8.3 – Binomial Distributions 	Unit: Random variables - Khan Academy Binomial random variables - Khan Academy
	8 2/21 – 2/25	<ul style="list-style-type: none"> Presidents Day Holiday – 2/21 Review 	
	9 2/28 – 3/4	<ul style="list-style-type: none"> Assessment Section 9.1 – What is a Confidence Interval? 	Unit: Confidence intervals - Khan Academy

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			Confidence intervals and margin of error - Khan Academy
	10 3/7 – 3/11	<ul style="list-style-type: none"> • Teacher Planning Day – 3/11 • Section 10.2 – Inference about a Population Mean 	<i>Tests about a population mean - Khan Academy</i>

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Quarter 4 Mar 14 – June 2	1 3/14 – 3/18	<ul style="list-style-type: none"> • SPRING BREAK – NO SCHOOL 	
	2 3/21 – 3/25	<ul style="list-style-type: none"> • Review 	
	3 3/28 – 4/1	<ul style="list-style-type: none"> • Report Cards – 3/29 • Assessment 	
	4 4/4 – 4/8	<ul style="list-style-type: none"> • Section 9.2 – What is a Significance Test? 	<i>Unit: Significance tests - Khan Academy</i>
	5 4/11 – 4/15	<ul style="list-style-type: none"> • Holiday – 4/15 • Section 10.2 – Inference Using Significance Test 	
	6 4/18 – 4/22	<ul style="list-style-type: none"> • Holiday – 4/18 • Section 9.3 – Use and Abuse of Statistics 	
	7 4/25 – 4/29	<ul style="list-style-type: none"> • Interims Issued – 4/26 • Section 10.1 – Chi-Square 	<i>Unit: Inference for categorical data (chi square tests) - Khan Academy</i>
	8 5/2 – 5/6	<ul style="list-style-type: none"> • Review 	
	9 5/9 – 5/13	<ul style="list-style-type: none"> • Assessment • Standards Review 	
	10 5/16 – 5/20	<ul style="list-style-type: none"> • Standards Review 	
	11 5/23 – 5/27	<ul style="list-style-type: none"> • Standards Review 	
	12 5/30 – 6/2	<ul style="list-style-type: none"> • Memorial Day Holiday – 5/30 • Standards Review 	

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