

Please Note:

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Publisher Resource:

[Statistics Through Application](#) – Second Edition – W.H. Freeman and Company
(Starnes, Yates and Moore)

Other Course Supplemental Resources:

[Study Island](#) (use student Active Directory - see “AP Statistics” for section topics)

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	Week	Major Concepts / Topics	Possible Resources
Quarter 1 Aug 10 – Oct 14	1 8/10 - 8/12	Chapter 1 – Statistics: the Art and Science of Data <ul style="list-style-type: none"> Section 1.1 – Where Do Data Come From 	Section 1.1 – Perdisco.tv
	2 8/15 – 8/19	<ul style="list-style-type: none"> Section 1.2 – Drawing Conclusions From Data Chapter 2 – Describing Distributions of Data <ul style="list-style-type: none"> Section 2.1 – Displaying Distributions with Graphs 	Section 1.2 – Perdisco.tv Section 2.1– Perdisco.tv Khan Academy – Bar Graphs Line Graphs Pie Graphs Stem-And-Leaf Plots (stemplots)
	3 8/22 – 8/26	<ul style="list-style-type: none"> Section 2.1 – Displaying Distributions with Graphs Assessment Section 2.2 – Describing Distributions with Numbers 	Section 2.2 – Khan Academy Khan Academy – Box and Whisker Plots (boxplots) Reading Box and Whisker Plots Mean, Median, and Mode Range and Midrange Statistics: The Average Statistics: Sample Mean vs Population Mean Statistics: Standard Deviation
	4 8/29 – 9/2	<ul style="list-style-type: none"> Section 2.2 – Describing Distributions with Numbers Section 2.3 – Use and Misuse of Statistics Review Assessment 	Section 2.3 – YouTube Khan Academy – Reading Pictographs Misleading Line Graphs
	5 9/6 – 9/9	Chapter 3 – Modeling Distributions of Data <ul style="list-style-type: none"> 3.1 – Measuring location in a Distribution 	Section 3.1 – Khan Academy
	6 9/12 – 9/16	<ul style="list-style-type: none"> 3.1 – Measuring location in a Distribution 3.2 – Normal Distributions 	Section 3.2 – Khan Academy Khan Academy – Introduction to the Normal Distribution Normal Distribution Excel Exercise Normal Distribution Problems: Qualitative sense of normal distributions Normal Distribution Problems: Empirical Rule Exercise: Standard Normal Distribution and the

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			Empirical Rule More Empirical Rule and Z-score practice
7 9/19 – 9/23	<ul style="list-style-type: none"> 3.2 – Normal Distributions Assessments 		
8 9/26 – 9/30	Chapter 4 – Describing Relationships <ul style="list-style-type: none"> 4.1 Scatterplots and Correlation 		Section 4.1 – Khan Academy Khan Academy – Correlation and Causality
9 10/3 – 10/7	<ul style="list-style-type: none"> Assessment 4.2 Regression and Prediction 		Section 4.2 – Khan Academy Khan Academy – Regression Line Example Second Regression Example Calculating R-Squared R-Squared or Coefficient of Determination
10 10/10 – 10/14	<ul style="list-style-type: none"> 4.2 Regression and Prediction Review Assessment 		

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Quarter 2 Oct 18 – Dec 21	1 10/18 – 10/21	Chapter 5 – Sampling and Surveys <ul style="list-style-type: none"> Section 5.1 – <u>Samples, Good and Bad</u> 	Khan Academy – Margin of Error 1 Margin of Error 2 Section 5.1 – Khan Academy
	2 10/24 – 10/28	<ul style="list-style-type: none"> Section 5.2 – <u>What Do Samples Tell Us?</u> Section 5.3 – <u>Sample Surveys in the Real World</u> 	Section 5.2 – Khan Academy Section 5.3 – Khan Academy
	3 10/31 – 11/4	<ul style="list-style-type: none"> Section 5.3 – <u>Sample Surveys in the Real World</u> Review Assessment 	
	4 11/7 – 11/10	Chapter 6 – Designing Experiments <ul style="list-style-type: none"> Section 6.1 – <u>Experiments, Good and Bad</u> 	Section 6.1 – YouTube
	5 11/14 – 11/18	<ul style="list-style-type: none"> Section 6.2 – <u>Experiments in the Real World</u> Section 6.3 – <u>Data Ethics</u> 	Section 6.2 – YouTube Section 6.3 – YouTube
	6 11/21 – 11/22	<ul style="list-style-type: none"> Review Assessment 	
	7 11/28 – 12/2	<ul style="list-style-type: none"> Semester Review 	
	8 12/5 – 12/9	<ul style="list-style-type: none"> Semester Review 	
	9 12/12 – 12/16	<ul style="list-style-type: none"> District Exams 	
	10 12/19 – 12/21	<ul style="list-style-type: none"> District Exams 	

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Quarter 3 Jan 5 – Mar 10	1 1/5 – 1/6	Chapter 7 – Probability: What are the Chances? <ul style="list-style-type: none"> Section 7.1 – <u>Randomness, Probability, and Simulations</u> 	Section 7.1 – Khan Academy
	2 1/9 – 1/13	<ul style="list-style-type: none"> Section 7.2 – <u>Probability Rules</u> 	Section 7.2 – Khan Academy
	3 1/17 – 1/20	<ul style="list-style-type: none"> Assessment Section 7.3 – <u>Conditional Probability and Independence</u> 	Section 7.3 – Khan Academy
	4 1/23 – 1/27	<ul style="list-style-type: none"> Section 7.3 – <u>Conditional Probability and Independence</u> Review Assessment 	
	5 1/30 – 2/3	Chapter 8 – Probability Models <ul style="list-style-type: none"> Section 8.1 – <u>Probability Distributions</u> 	Section 8.1 – Khan Academy
	6 2/6 – 2/10	<ul style="list-style-type: none"> Section 8.2 – <u>Counting and Probability</u> 	Section 8.2 – Khan Academy
	7 2/13 – 2/16	<ul style="list-style-type: none"> Section 8.3 – <u>Binomial Distributions</u> Review Assessment 	Section 8.3 – Khan Academy
	8 2/21 – 2/24	Chapter 9/10 (Confidence Intervals) <ul style="list-style-type: none"> Section 9.1 – <u>What is a Confidence Interval?</u> 	Section 9.1 – Khan Academy
	9 2/27 – 3/3	<ul style="list-style-type: none"> Section 9.1 – <u>What is a Confidence Interval?</u> Section 10.2 – <u>Inference about a Population Mean</u> 	Section 10.2 – Khan Academy
	10 3/6 – 3/10	<ul style="list-style-type: none"> Section 10.2 – <u>Inference about a Population Mean</u> Review Assessment 	

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Quarter 4 Mar 21 – May 24	1 3/20 – 3/24	Chapter 9/10 (Significance Test) <ul style="list-style-type: none"> Section 9.2 – <u>What is a Significance Test?</u> 	Section 9.2 – Khan Academy
	2 3/27 – 3/31	<ul style="list-style-type: none"> Section 9.2 – <u>What is a significance Test?</u> Section 10.2 – <u>Inference about a Population Mean</u> 	Section 10.2 – Khan Academy
	3 4/3 – 4/7	<ul style="list-style-type: none"> Section 10.2 – <u>Inference about a Population Mean</u> Section 9.3 – <u>Use and Abuse of Statistical Inference</u> 	Section 9.3 – JB Statistics
	4 4/10 – 4/13	<ul style="list-style-type: none"> Section 9.3 – <u>Use and Abuse of Statistical Inference</u> Review Assessment 	
	5 4/17 – 4/21	Chapter 10 Inference in Practice <ul style="list-style-type: none"> Section 10.1 – <u>Chi-Square Test: Goodness of Fit and Two-Way Tables</u> 	Section 10.1 – Khan Academy
	6 4/24 – 4/28	<ul style="list-style-type: none"> Section 10.1 – <u>Chi-Square Test: Goodness of Fit and Two-Way Tables</u> Review Assessments 	
	7 5/1 – 5/5	<ul style="list-style-type: none"> Course Standards Review 	
	8 5/8 – 5/12	<ul style="list-style-type: none"> Course Standards Review 	
	9 5/15 – 5/19	<ul style="list-style-type: none"> Final Exams 	
	10 5/22 – 5/24	<ul style="list-style-type: none"> Final Exams 	

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