

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

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

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

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

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

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