

## AP Statistics - CSHS 2015-2016 4th Six Weeks

JANUARY 4	5	6	7	8
<b>STAFF COMP DAY STUDENT HOLIDAY</b>	8.1 The Idea of a Confidence Interval, Interpreting Confidence Intervals and Confidence Levels 1, 3, 5, 7, 9	8.1 Constructing a Confidence Interval; Using Confidence Intervals Wisely  10, 11, 13, 15, 17, 19	Can I make it in College?  Guest Speaker	8.2 Conditions for Estimating $p$ , Constructing a Confidence Interval for $p$ , choosing a sample sizes <a href="#">Videos</a> 20–24, 31, 33, 35, 37 <a href="#">Pryor Out</a>
11	12	13	14	15
8.3 The Problem of unknown $\sigma$ , When $\sigma$ Is Unknown: The $t$ Distributions, Conditions for Estimating $\mu$ 39, 41, 43, 45, 47	8.3 Constructing a Confidence Interval for $\mu$ , Choosing a Sample Size 49–52, 55, 57, 59	Review  61, 65, 69, 71, 73, 75–78	<b>Test Chapter 8</b>  <a href="#">Pryor Out</a>	Intro Chapter 9  <a href="#">Intro Playlist</a>  <a href="#">Pryor Out</a>
MLK, Jr. Holiday 18	19	20	21	22
<b>NO SCHOOL</b>	9.1 Stating Hypotheses, The Reasoning of Significance Tests, Interpreting $P$ -values, Statistical Significance  1, 3, 5, 7, 9, 11, 15	9.2 Carrying Out a Significance Test, The One-Sample $z$ Test for a Proportion  25–28, 31, 35, 39, 41	Hypothesis tests for sample proportions, conditions, interpretation  Homework: <a href="#">P Values</a> Video: <a href="#">P-Value WS</a>	9.1 Type I and Type II Errors  <a href="#">Error Types Video</a>  13, 17, 19, 21, 23 <a href="#">Pryor Out</a>
25	26	Early Release 27	28	29
9.2 Two-Sided Tests, Why Confidence Intervals Give More Information, Type II Error and the Power of a Test 43, 45, 47, 51, 53, 55, 57	Calculating Power  <a href="#">Power Video</a>  <a href="#">Worksheet: 44, 45, 47, 49, 53, 56</a>	Power Revisited  The one sided test: <a href="#">Video</a>  <a href="#">Worksheet: 67, 68, 69</a>	9.3 Significance Test for $\mu$ , The 1 Sample $z$ Test, 2-Sided Tests and Confidence Intervals Quiz / Worksheet / <a href="#">Video</a> <a href="#">Pryor Out</a>	9.3 Significance Test for $\mu$ , The One Sample $t$ Test, Two-Sided Tests and Confidence Intervals 59–62, 65, 69, 73, 77, 79
FEBRUARY 1	2	3	4	5
9.3 Inference for Means: Paired Data, Using Tests Wisely  83, 85, 87, 89–91, 93, 95–102	Review	<b>Test Ch 9 (power)</b>	<b>Test Ch 9 (full)</b>	Review: Sampling and Surveys   Worksheet
8	9	10	11	12
Review: Designing Experiments  Worksheet	Review: Descriptive Statistics  Worksheet	Review: Linear Regression  Worksheet	Review	<b>Review Test</b>
15	16	17	18	19
<b>STAFF DEVELOPMENT STUDENT HOLIDAY</b>	10.1 Confidence Intervals for $p_1 - p_2$  5, 7, 9, 11	10.1 Significance Tests for $p_1 - p_2$ , Inference for Experiments <a href="#">Notes</a>  13, 15, 17, 21, 23	Difference between Two Means <a href="#">Notes</a>  <a href="#">2 pop t procedures Video</a> 31, 33, 35, 51	Review the previous three days

## AP Statistics - CSHS 2015-2016 5th Six Weeks

FEBRUARY 22	23	24	25	26
The Two-Sample $t$ Statistic, Confidence Intervals for $\mu_1 - \mu_2$  25–28, 37, 39	Chapter 10 Review Quiz	Chapter 10 Review  <b>Bush Field Trip (Juniors)</b>	<b>Test Chapter 10</b>	The Chi-Square Distributions and $P$ -values  <a href="#">Video - GOF</a>  1, 3, 5
29	MARCH 1	2	3	4
11.1 Carrying Out a Test; Follow-Up Analysis  7, 9, 11, 15, 17	11.2 The Chi-Square Test for Homogeneity  <a href="#">Video - Ch Sq - Homogeneity</a>  19–22, 27, 29, 31,	More Chi Square Tests  <a href="#">Video - Chi Sq - Indep</a>  33, 35, 37, 39	11.2 The Chi-Square Test for Independence; Using Chi-Square Tests Wisely  41, 43, 45, 47, 49, 51–55	Chapter 11 Review
7	8	9	10	11
<b>Test Ch 11</b>				
14	15	16	17	18
<b>SPRING BREAK</b>		<b>SPRING BREAK</b>	<b>SPRING BREAK</b>	
21	22	23	24	GOOD FRIDAY 25
				<b>NO SCHOOL</b>
28	29	30	31	APRIL 1
4	5	Early Release 6	7	8