2013-2014 AP Statistics Assigments

Chapter	Day	Topics	Objectives: Students will be able to…	Homework	Reading	5/6O	1/2B
9	1	9.1 The Reasoning of Significance Tests, Stating Hypotheses, Interpreting *P*-values, Statistical Significance ***9.1a Activity - Hypotheses Basics***	• State correct hypotheses for a significance test about a population proportion(p) or mean(μ). • Interpret *P*-values in context.	1, 3, 5, 7, 9, 11, 13, 15	Section 9.1 TAKE NOTES!!	12-Feb	**24-Feb**
9	**2**	**Chapter 8 Test** <u>**HW watch the following 2 YouTube videos and be able to describe Type I, Type II, and Powers in context**</u>: **Video #1 "AP Stats Type I and Type II Errors" - 34min. http://youtu.be/71-tKPgDEQU** **Video #2 "AP Stats Calculating Power, Type I and Type II Errors" - 39min. http://youtu.be/K8XwS74sSko**				**27-Feb**	**28-Feb**
9	3	9.1 Type I and Type II Errors, and the Power of a Statistical Test ***9.1b Activity - Power of a test*** *9.1 Technology: Investigating Power with an Applet*	• Interpret a Type I error and a Type II error in context, and give the consequences of each. • Understand the relationship between the significance level of a test, *P* (Type II error), and power.	19, 21, 23 and Quiz 9.1C handout	Section 9.2 pages 549-556	3-Mar	4-Mar
9	4	9.2 Carrying Out a Significance Test for a ***9.2a Activity - 1-Sides Significance Tests for p and Understanding Errors***	• Check conditions for carrying out a test about a population proportion (p) • Conduct a 1-sided significance test for p • Review Type I, Type II and Power	**33, 37,** 41*, 43, 45* *use template	Section 9.2 pages 556-561	5-Mar	6-Mar
9	5	9.2 Two-Sided Tests, Confidence Interval, and Errors ***9.2b Activity - Two-Sided Tests vs. Confidence Interval***	• Conduct 2-sided test for p • Understand connection between 2-sided tests and confidence interval	49*, 51, 53, 55* *use template	Section 9.3 TAKE NOTES!!	7-Mar	10-Mar
9	6	9.3 Carrying Out a Significance Test for μ The One Sample *t* Test, Two-Sided Tests and Confidence Intervals ***9.3a Activity - Significance Tests and Confidence Intervals for μ***	• Check conditions for a test about a population mean (μ) • Conduct a one-sample *t* test about a population mean μ • Use a confidence interval to draw a conclusion for a two-sided test about a population mean.	71*, 73*, 75*, 77 *use template		11-Mar	12-Mar
9	7	9.3 Inference for Paired Data ***9.3b Activity - Significance Tests for Paired Data***	• Recognize paired data and • use one-sample *t* procedures to perform significance tests for paired data.	89*, 94–97 *use template and		13-Mar	17-Mar
9	7	***Chapter 9 Review***	***MC and FRAPPY's in class***		**Chapter 9 AP Practice Test**	13-Mar	17-Mar
9	8	Chapter 9 Test			Section 10.1	18-Mar	19-Mar

Updated 2/25/2014