2016-2017 AP Statistics Assigments

(see web site for reading guides, glossaries of important terms, notes, HW answers, and other goodies)

Day	Topics	Objectives: Students will be able to…	Homework	Reading	1/2B
	Chapter 8 Review (Ch.8 AP Test MC in class	**CW: Ch.8 AP Test MC and Practice FRQ's**	**Ch.8 AP Test; Ch.8 FRQ's**		**28-Feb**
	Chapter 8 Test				**2-Mar**

IMPORTANT NOTE: This an important chapter! I have added a day to clearly go through concepts. However, due to snow days, there will be **NO Review Class.** Do not fall behind.

1	9.1 The Reasoning of Significance Tests, Stating Hypotheses, Interpreting *P* -values, Statistical Significance	• 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	Section 9.1	**2-Mar**
2	9.1 Type I and Type II Errors, and the Power of a Statistical Test ***9.1a Activity - Hypotheses Basics (complete)***	• 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.	13, 15, 19, 21, 23		**6-Mar**
3	9.1 Type I and Type II Errors, and the Power of a Statistical Test ***9.1b Activity - Power of a test(FRQ '03#2)*** ***9.1 Technology: Investigating Power with an Applet*** ***http://www.rossmanchance.com/applets/power.html***	• 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.	Quiz 9.1C; Complete 9.1B Activity	Section 9.2 pages 549-556	**8-Mar**
4	~~**9.1 Quiz (time permitting)**~~ 9.2 Carrying Out a Significance Test for a ***9.2a Activity - 1-Sides Significance Tests for p (HW: FRQ '05#4)***	• Conduct a 1-sided significance test for p • Check conditions for carrying out a test about a population proportion (p)	**33, 37,** 41*, 43, 45* *use template **(FRQ '05#4)**	Section 9.2 pages 556-561	**10-Mar**
5	9.2 Two-Sided Tests, Confidence Interval, and Errors ***9.2b Activity - Two-Sided Tests vs. Confidence Interval (HW: FRQ's '10#3 and '10b#4)***	• Conduct 2-sided test for p • Understand connection between 2-sided tests and confidence interval	49*, 51, 53, 55* *use template **finish FRQ's**	Section 9.3	**14-Mar**
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*** ***(HW: FRQ's '03#1 and '09b#5)***	• 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		**16-Mar**
7	9.3 Inference for Paired Data ***9.3b Activity - Significance Tests for Paired Data (HW: FRQ '2007#4 & '1997#5 & '2001#5)***	• Recognize paired data and • use one-sample *t* procedures to perform significance tests for paired data.	89*, 94–97 *use template		**21-Mar**
x	~~***Chapter 9 Review***~~ **NO TIME FOR REVIEW**	~~***MC Practice Test***~~	**CH9 AP Practice Test**		**21-Mar**
8	**Chapter 9 Test**		1, 3, 5, 7, 9	Section 10.1	**23-Mar**