2016-2017 AP Statistics Assigments

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

Chapter	Day	Topics	Objectives: Students will be able to…	Homework	Reading	1/2B
5	0	5.1 Introduction, The Idea of Probability, Myths about Randomness	• Interpret probability as a long-run relative frequency in context.	1, 3, 9, 13, 17, 19, 23, 25, (MC31-36 optional)	Section 5.1	3-Nov
5	0	5.1 Simulation, Technology: Random Numbers with Calculators ***Activity 1: Law of Large Numbers - % Heads** ***Activity 2: NASCAR Cards**	• Use simulation to model chance behavior.	5.1 WS	Section 5.2	7-Nov
Election Day						**8-Nov**
5	1	5.2 Probability Models, Basic Rules of Probability ***Activity 3: Roll the Dice - Introduction to Basic Probability**	• Describe a probability model for a chance process. ● Use basic probability rules, including the complement rule and the addition rule for mutually exclusive events. ● Use Venn Diagrams to model a chance process involving 2events. ● Use the general addition rule	39, 41, 45, 47, 49, 51, 53, 55	Section 5.3	10-Nov
Veteran's Day						**11-Nov**
5	2	5.3 What is Conditional Probability?, Conditional Probability and Independence, Tree Diagrams and the General Multiplication Rule *Activity: 5.3a Conditional Probability and Independence*	• When appropriate, use a tree diagram to describe chance behavior. • Use the general multiplication rule to solve probability questions. • Determine whether two events are independent. • Find probability that an event occurs using a 2-way table.	(MC57-60 optional) 63, 65, 67, 69, 71, 73		15-Nov
5	3	5.3 Independence: A Special Multiplication Rule, Calculating Conditional Probabilities *Activity: 5.3b Conditional Probability and Independence*	• When appropriate, use the multiplication rule for independent events to compute probabilities. ● Compute conditional probabilities.	75, 77, 79, 83, 85, 87, 91, 95, 99, (MC104-106 optional)		17-Nov
	4	**REVIEW:** **Activity - Chapter 5 Review #1**		Complete Review Packet	**5.2 & 5.3 Quiz**	21-Nov
Thanksgiving Break - NOV23-25						
5	5	**Review - Multiple Choice Practice Test** *Activity - FRAPPY's: 1997q3, 2001q3, 2003Bq2, 2009Bq2*		Complete Chapter 5 AP Practice Test & FRQ's		28-Nov
5	**6**	**Chapter 5 Test**		**1, 2, 5, 7, 9**	**Read 6.1 & take notes**	30-Nov