2024-2025 AP Statistics Assignments

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

Note: There will be No Chapter 6 Test. There will be 3 Quizizz in Chapter 6. CHAPTER 6 FRAPPY'S WILL BE ASSIGNED AFTER THE MIDTERM.

#	Day	Topics	Objectives: Students will be able to…	Homework	Reading	4B	2O
6	0	**Chapter 6 Introduction.** 6.1 Discrete random Variables, Mean (Expected Value) of a Discrete Random Variable	• Use a probability distribution to answer questions about possible values of a random variable(RV). • Calculate the mean of a discrete RV. • Interpret the mean of a RV in context.		**Section 6.1 and complete Guided Notes**	16-Dec	17-Dec
6	1	**Day 1 - 6.1 Standard Deviation (and Variance)** Discrete RV's, Continuous RV's, Normal RV's **ACTIVITY: 6.1** includes Technology: Analyzing RV's on the Calculator (page 348)	• Calculate the standard deviation of a discrete RV. • Interpret the standard deviation of a RV in context.	**Day 1** **Complete MM 6.1 and 6.2 Videos**	**Section 6.2 p.358-363 and complete Guided Notes**	18-Dec	19-Dec
6	1.5	**Complete ACTIVITY: 6.1**		**Complete and correct** Day 1**	**Complete Section 6.2 & Guided Notes**	20-Dec	2-Jan
6	x	**NO Chapter 6 Test - It will be on the MT and included in the Chapter 7 Test**				na	na
		Holiday Break DEC21-JAN1					

1/21/25

#	Day	CHAPTER 6 Topics	Objectives: Students will be able to…	Homework	Reading	4B	2O
6	2	**Day 2 - ACTIVITY: 6.2A Transforming RV's** includes HW Problem #48	• Describe the effects of transforming a RV by adding or subtracting a constant and multiplying or dividing by a constant.	**Day2 Activity & MM 6.3 Video** **Next yr add FRAPPY 2001Q2**		3-Jan	6-Jan
6	3	**Day 3 - Activity 6.2B Combining Random Variables** → Frappy is Example of Combining Normal RVs	• Find the mean and standard deviation of the sum or difference of independent RVs. • Determine whether 2 RVs are independent. • Find probabilities involving the sum or difference of independent Normal RVs.	**Day3 Activity & MM 6.4 Video** **FRAPPY 2002q3&2008bq5**	**Section 6.3 p.382-389 and Guided Notes**	**7-Jan**	Jan8(ER)
6		**6.1 Quizizz (1/2 Test)**	**10 questions, 20 min., 1 attempt, redemption on all Qs**			**7-Jan**	**10-Jan**
6	4	**Day 4 - 6.3 Introduction to Binomial Random Variables** * Activity 1: 6.3B1 Explore Binomial Graphs * Activity 2: 6.3B2a Intro Binomial RVs, BINs, Probability * Activity 3: TPS pg404 # 6.72, 6.80.	6.3 Introduction to Binomial RV • Determine conditions/settings for a binomial RV are met (BINS) • Binomial Probabilities	**Day4 Activity & MM 6.5 Video**	**Section 6.3 p.390-395 and Guided Notes**	9-Jan	**10-Jan**
6	5	**Day 5 - 6.3 Mean & StDev.and Interpret Bin Models** * Activity 1: 6.3B2b Binomial Distributions * Activity 2: TPS pg405 # 6.81, 6.85	6.3 (continued) • Compute and interpret probabilities involving binomial distributions. • Calculate the mean and standard deviation of a binomial RV. Interpret these values in context.	**Day5 Activity & MM 6.6 Video** **Next yr add FRAPPY 2010Q4**	**"Section 6.3 p.395-397 and Guided Notes"**	13-Jan	14-Jan
6	6	**Day 6(TBD) - 6.3 Statistical Sampling, Normal Approx** *Activity 1: 6.3C Understanding Sampling(10% condition) *Activity 2: 6.3N Normal vs. Binomial	• Determine when sampling without replacement is appropriate (10% condition) • Determine the condition to use the normal model to approximate a binomial model. Calculate the mean and standard deviation. Interpret these values in context.	**Day6 Activity & MM 6.7 Video** **Next yr add FRAPPY 2003Q4**	**"Section 6.3 p.397-403 and Guided Notes"**	15-Jan	16-Jan
		Open Date(s):				**17-Jan**	
6	tbd	**Chapter 6 will be wrapped up in Q3**	**Frappy's moved to Quarter 3**			**Q3**	**Q3**

MIDTERM (Week of Jan20): Chapters 1-6   **3 Free Response-50% and 33 multiple choice-50%**   (JAN2019 Chapter 7 not included)

Format: http://www.brunswick.k12.me.us/pgroves/files/2013/01/2016-AP-Statistics-Midterm-Format.pdf

Study Tips: www.brunswick.k12.me.us/pgroves/home/ap-statistics/882-2/

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#	Day	CHAPTER 6 Topics	Objectives: Students will be able to…	Homework	Reading	2O	4B
6	7	6.3 Geometric Random Variables * Activity 1: 6.3G1 Explore Geometric Graphs * Activity 2: 6.3G2 Geometric RVs	* Determine conditions for a geometric RV are met. * Find probabilities involving geometric RVs.	Day7 Activity & MM 6.8 Video FRAPPY 2011bQ3		27-Jan	28-Jan
6	8	**Wrap Up Chapter 6** → Classwork: pg408 #'s R6.2, R6.5-R6.8 → Homework: pg411 #'s T6.11-T6.14				29-Jan	30-Jan
6	9	6.2 Quizizz (1/2 Test - Can use 6.2 Guided Notes) 6.3 Quizizz (1/2 Test - Can use 6.3 Guided Notes)		Complete 7.1 Guided Notes		31-Jan	3-Feb