

J. L. Mann High School Weekly Lesson Plans 2026-2027

Teacher's Name: J. Sullivan Course: AP Statistics Dates: 10/5/26-10/9/26

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
STANDARDS	STANDARDS	STANDARDS	STANDARDS	STANDARDS
VAR-5.A Represent the probability distribution for a discrete random variable. VAR-5.C Calculate parameters for a discrete random variable. VAR-5.D Interpret parameters for a discrete random variable.	UNC-3.C Calculate parameters for a binomial distribution. UNC-3.D Interpret probabilities and parameters for a binomial distribution.	UNC-3.C Calculate parameters for a binomial distribution. UNC-3.D Interpret probabilities and parameters for a binomial distribution.	UNC-3.C Calculate parameters for a binomial distribution. UNC-3.D Interpret probabilities and parameters for a binomial distribution.	VAR-5.A, VAR-5.C, VAR-5.D, VAR-5.E, VAR-5.F UNC-3.B, UNC-3.C, UNC-3.D, UNC-3.E
LEARNING TARGET	LEARNING TARGET	LEARNING TARGET	LEARNING TARGET	LEARNING TARGET
Students will calculate and interpret the mean and standard deviation of a discrete random variable. Students will find the expected value of probability distributions.	Students will describe the effects of linear transformations on parameters of random variables. Students will use the four principles of binomial distributions to determine whether a situation is binomial.	Students will use the four principles of binomial distributions to determine whether a situation is binomial. Students will calculate and interpret parameters for binomial distributions.	Students will calculate binomial cumulative probability. Students will use both normal and binomial find probabilities.	Students will show mastery of chapter 6 probability formulas and binomial and geometric distributions.
ACTIVATING STRATEGY	ACTIVATING STRATEGY	ACTIVATING STRATEGY	ACTIVATING STRATEGY	ACTIVATING STRATEGY
Bellwork	Bellwork	Bellwork	Bellwork	Bellwork

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LESSON ACTIVITIES	LESSON ACTIVITIES	LESSON ACTIVITIES	LESSON ACTIVITIES	LESSON ACTIVITIES
Mean and Variance of Random Variables	Transforming Random Variables Binomial Distribution	Binomial Distribution Binomial Mean and Standard Deviation Binomial Pdf	Binomial Cdf Normal Distribution w/ Binomial Test Review	Chapter 6 Review Game
CLOSURE	CLOSURE	CLOSURE	CLOSURE	CLOSURE
Practice Problems Expected Value Problems	Practice Problems pg. 378-379 #37, 41, 43	Practice Problems Binomial Review Questions	HW Chapter 6 Test Review	Self Made Study Guide
Important Due Dates:				

How are you utilizing UDL learning guidelines and strategies within your weekly lessons? Check the boxes or highlight :)

REPRESENTATION options for presenting content	ENGAGEMENT options for engaging student interest	EXPRESSION options for students to demonstrate learning	CULTURAL CONSIDERATIONS	ASSESSMENTS
☐ Artifacts ☐ Pictures ☐ Graphic Organizers ☐ Video Clips ☐ Audio Recordings ☐ Lab ☐ Lecture ☐ Other:	☐ Cooperative Work ☐ Partner Work ☐ Manipulatives ☐ Movement ☐ Debates ☐ Role Plays or Simulations ☐ Other:	☐ Written Response ☐ Illustrated Response ☐ Oral Response ☐ Model Creation ☐ Construction ☐ Other:	☐ Nature of content & ethnicity and/or culture of students ☐ Other:	☐ Class Work ☐ Journals ☐ Group Discussion ☐ Individual Participation ☐ Quiz / Test ☐ Project ☐ Conference ☐ Essay ☐ Other:

*All adjustments to the teacher's lesson plans will be communicated to the students.