

NC Math 3 Unit 1 Calendar - Statistics

Name _____

Essential Questions:

1. To what extent can people predict the future?

2. How should you choose a fair sample to represent a large population?

3. When error is unavoidable in measurement, what margins of error are tolerable?

Day	Date	Topic	State Standard(s)	I Can...	HW	Initials
W	25-Jan	Get To Know You Activity Pre-Assessment		-call my classmates by name. -recognize previous math topics that I need to review and find resources to review them.	Pre-Assessment part 2	
TH	26-Jan	Types of Sampling & Study	-NC.M3.S-IC.1 -NC.M3.S-IC.3	-distinguish between a sample (statistic) and a population (parameter). -describe how to find a random sample from a given population. -explain the purposes and the differences of sample surveys, observational studies, and experiments, including how randomization applies to each. -distinguish between sample surveys, observational studies, and experiments. -determine how results of a statistical study can be generalized to make conclusions about a population based on the sample. -identify bias in questions and rephrase questions to remove the bias.	Day 2 HW	
F	27-Jan	Types of Bias			Day 3 HW	
M	30-Jan	Parameter & Statistic			Day 4 HW	
T	31-Jan	Quiz Study Design Project			Study Design Project	
W	1-Feb	Study Design Project			Finish Study Design Project	
TH	2-Feb	Simulations to Model Random Events	-NC.M3.S-IC.4 -NC.M3.S-IC.5	-use data from a sample survey to estimate a population mean or proportion with a margin of error. -identify the parameter of interest in an experiment. -select and calculate sample statistics. -set up and complete a simulation re-randomizing the groups. -compare the actual difference to the simulated differences to determine statistical significance. -read graphs and determine whether the graphs are misleading.	Day 7 HW	
F	3-Feb	Margin of Error			Day 8 HW	
M	6-Feb	Study Evaluation Project	-NC.M3.S-IC.6	-state a conclusion about the effectiveness or accuracy of a claim based on a sample. -evaluate and make sense of a statistical article or website.	Study Evaluation Project	
T	7-Feb	Study Evaluation Project			Finish Study Evaluation Project	

SCORE: _____