

Unit 7: Statistics Learning Plan		
No more than 4 weeks	Learning Target 1: I can identify and/or create statistical questions. 6.SP.6, 6.SP.7	
<p>Unit Synopsis: Students will begin their study of statistics during this unit. This information will be assessed on the 7th grade NYS mathematics assessments. The unit begins with analyzing statistical questions as well as determining if a sample is fairly representative of a target population. Students will find measures of center and variability in order to describe data sets. Students will create frequency tables from data sets in order to represent the data using various representations.</p>	Period 1	I can identify statistical questions.
	Period 2	I can create statistical questions.
	Learning Target 2: I can utilize data to make predictions about a population. 6.SP.1	
	Period 3	I can identify a population, sample (random, convenient, representative, bias), and outliers.
	Period 4	I can estimate a population size based on a sample.
	Period 5	I can make a prediction about a population based on survey results.
	Period 6	Mastery Quiz 1
	Learning Target 3: I can compute the measures of center (mean, median, mode) from a data set. 6.SP.3	
	Period 7	I can determine the mode of a data set.
	Period 7	I can determine the median of a data set.
	Period 8	I can determine the mean of a data set.
	Period 9	I can calculate the measures of center from a given data set.
	Period 10	
Learning Target 4: I can describe a data set from the measures of center. 6.SP.2, 6.SP.3, 6.SP.4		
Period 11	I can describe what the mode tells us about a data set.	
Period 12	I can describe what the median tells us about a data set.	
Period 13	I can describe what the mean tells us about a data set.	

Period 14	I can describe a data set using the measures of center.
Period 15	Mastery Quiz 2
Learning Target 5: I can compute the measure of variability (range, quartiles, MAD) from a data set. 6.SP.3	
Period 16	I can compute the range and the interquartile range from a data set.
Period 17	
Period 18	I can compute the MAD from a data set.
Period 19	
Period 20	
Period 21	I can calculate the measures of variability from a data set.
Learning Target 6: I can describe a data set from the measures of variability. 6.SP.2, 6.SP.3, 6.SP.5	
Period 22	I can describe what the range tells us about a data set.
Period 22	I can describe what the IQR tells us about a data set.
Period 23	I can describe what the MAD tells us about a data set.
Period 24	I can describe a data set using the measures of variability and measures of center.
Learning Target 7: I can represent and analyze data using tables, dot plots, line plots, bar graphs, histograms and box plots. 6.SP.4	
Period 25	I can organize data in a frequency table.
Period 26	I can organize and analyze data using a dot or line plot.
Period 27	I can organize and analyze data using a bar graph.
Period 28	I can organize and analyze data using a box plot.
Period 29	
Period 30	I can organize and analyze data using a histogram.
Period 31	

	Period 32	I can represent and analyze data using tables, dot plots, line plots, bar graphs, histograms and box plots.
	Period 33	
	Period 34	Mastery Quiz 3
	Period 35	Miscellaneous: <i>Teacher created quizzes</i> <i>Spiral</i> <i>Review</i> <i>Completing activities</i>
	Period 36	
	Period 37	
	Period 38	Unit 7 Post Test
	Period 39	
	Period 40	Unit 7 Performance Task