RT 1			
Frequency Distributions and Graphs			
Duration	6 weeks		**Assessed**
Priority Standard(s)	A1.DS.A	Summarize, represent and interpret data.	
Supporting Standard(s)	A1.DS.A.1	Analyze and interpret graphical displays of data.	
	A1.DS.A.2	Use statistics appropriate to the shape of the data distribution to compare center and spread of two or more different data sets.	
	A1.DS.A.3	Interpret differences in shape, center and spreads in the context of the data sets accounting for possible effects of outliers.	
	A1.DS.A.4	Summarize data in two-way frequency tables. Interpret relative frequencies in the context of the data, and recognize possible associations and trends in the data.	

		RT 2	
		Data Description	
Duration	3 weeks		**Assessed**
Priority Standard(s)	DSP.A	Develop understanding of statistical variability	
	DSP.B	Draw informal comparative inferences about two populations.	
Supporting Standard(s)	DSP.A.2	Understand that a set of data collected to answer a statistical question has a distribution which can be described by its center, spread, and overall shape.	
	DSP.A.3	Recognize that a measure of center for a numerical data set summarizes all of its values with a single number, while a measure of variation describes how its values vary from a single number.	
	DSP.B.3	Analyze different data distributions using statistical measures.	
	DSP.B.4	Compare the numerical measures of center, measures of frequency and measures of variability from two random samples to draw inferences about the population.	

RT 3			
Probability and Counting Rules			
Duration	4 weeks		**Assessed**
Priority Standard(s)	G.CP.A	Understand independence and conditional probability and use them to interpret data.	
Supporting Standard(s)	G.CP.A.2	Understand the definition of independent events and use it to solve problems.	
	G.CP.A.3	Calculate conditional probabilities of events.	
	G.CP.A.6	Apply and interpret the Addition rule for calculating probabilities.	
	G.CP.A.7	Apply and interpret the Multiplication rule in a uniform probability model.	
	G.CP.A.8	Use permutations and combinations to solve problems.	

RT 4			
Discrete Probability Distributions			
Duration	3 weeks		**Assessed**
Priority Standard(s)	A1.DS.A	Summarize, represent and interpret data.	
	A2.DS.A	Make inferences and justify conclusions.	
Supporting Standard(s)	A1.DS.A.3	Interpret differences in shape, center and spreads in the context of the data sets.	
	A2.DS.A.4	Use data from a sample to estimate characteristics of the population.	
	A2.DS.A.6	Analyze decisions and strategies using probability concepts.	

RT 5			
The Normal Distribution			
Duration	2 weeks		**Assessed**
Priority Standard(s)	A2.DS.B	Fit a data set to a normal distribution.	
Supporting Standard(s)	A2.DS.B.8	Know and use characteristics of normally distributed data sets.	
	A2.DS.B.9	Fit a data set to a distribution using its mean and standard deviation to determine whether the data is approximately normally distributed.	