

# Probability and Statistics 2011-2012 Benchmark Blueprint

Green Dot Public Schools

Assessments

<b>Probability and Statistics</b>		<b>1</b>	<b>2</b>
1.0	Students know the definition of the notion of independent events and can use the addition, multiplication, and complementation to solve for probabilities of particular events in finite sample spaces.		3
2.0	Students know the definition of conditional probability and use it to solve for probabilities in finite sample spaces.		3
3.0	Students demonstrate understanding of the notion of discrete random variables by using them to solve for the probabilities of outcomes, such as the probability of the occurrence of five heads in 14 coin tosses.		3
5.0	Students determine the mean and standard deviation of a normally distributed random variable.		3
6.0	Students know the definitions of the mean, median, and mode of a distribution of data and can compute each in particular situations.	8	3
7.0	Students compute the variance and the standard deviation of a distribution of data.	6	3
8.0	Students organize and describe distributions of data by using a number of different methods, including frequency tables, histograms, standard line and bar graphs, stem-and-leaf displays, scatterplots, and box-and-whisker plots.	6	3
<b>Total Number of Items</b>		<b>20</b>	<b>21</b>