OCS NC Math 4 Priority Standards

NUMBER and QUANTITY	
NC.M4.N.2.2	Execute procedures of addition, subtraction, and scalar multiplication on vectors.
ALGEBRA and FUNCTIONS	
NC.M4. AF.2.3	Interpret key features (amplitude, period, phase shift, vertical shifts, midline, domain, range) of models using sine and cosine functions in terms of a context.
NC.M4.AF.3.3	Interpret key features of a logarithmic function using multiple representations.
NC.M4.AF.4.2	Construct piecewise functions to model a contextual situation.
NC.M4.AF.5.1	Construct regression models of linear, quadratic, exponential, logarithmic, & sinusoidal functions of bivariate data using technology to model data and solve problems.
STATISTICS and PROBABILTY	
NC.M4.SP.1.2	Design sample surveys and comparative experiments using sampling methods to collect and analyze data to answer a statistical question.
NC.M4.SP.2.3	Implement a one proportion z-test to determine if an observed proportion is significantly different from a hypothesized proportion.
NC.M4.SP.3.3	Recognize from simulations of sampling distributions of sample means and proportions that a normal distribution can be used as an approximate model in certain situations.