

Cornwall-Lebanon School District Curriculum Overview

AP Statistics – High School

 length of time in weeks	Concepts & Competencies	Common Assessments	Academic Standards College Board AP Statistics Curriculum
Unit 1 	<u>Looking at Data -- Distributions</u> Students will construct and interpret graphical displays of distributions of univariate data, summarize distributions of univariate data, compare distributions of univariate data and solve problems involving the normal distribution.	➤ Quiz – univariate data ➤ Test – univariate data	I.A I.B I.C III.C
Unit 2 	<u>Looking at Data -- Relationships</u> Students will analyze bivariate data and construct and interpret graphical displays of bivariate data.	➤ Quiz – bivariate data ➤ Test – bivariate data ➤ First marking period exam (cumulative)	I.D I.E
Unit 3 	<u>Producing Data</u> Students will apply appropriate methods of data collection and plan and conduct surveys and experiments.	➤ Quiz – producing data ➤ Test – producing data	II.A II.B II.C II.D
Unit 4 	<u>Probability</u> Students will explore random phenomena using probability and simulation, solve problems using the rules of probability and solve problems involving random variables.	➤ Quiz – probability ➤ Test – probability ➤ Midterm exam (cumulative)	III.A III.B III.C
Unit 5 	<u>From Probability to Inference</u> Students will solve problems involving discrete random variables including binomial and geometric distributions, analyze the sampling distribution of a sample mean and the difference between two independent sample means, analyze the sampling distribution of a sample proportion and the difference between two independent sample proportions and apply the Central Limit Theorem.	➤ Quiz – random variables ➤ Test – random variables	III.A III.B III.C III.D