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 — 4	**Looking at Data -- Distributions** 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 — 5	**Looking at Data -- Relationships** 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 — 4	**Producing Data** 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 — 5	**Probability** 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 — 4	**From Probability to Inference** 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