

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	<p style="text-align: center;"><u>Looking at Data -- Distributions</u></p> <p>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.</p>	<ul style="list-style-type: none"> ➤ Quiz – univariate data ➤ Test – univariate data 	I.A I.B I.C III.C
Unit 2 5	<p style="text-align: center;"><u>Looking at Data -- Relationships</u></p> <p>Students will analyze bivariate data and construct and interpret graphical displays of bivariate data.</p>	<ul style="list-style-type: none"> ➤ Quiz – bivariate data ➤ Test – bivariate data ➤ First marking period exam (cumulative) 	I.D I.E
Unit 3 4	<p style="text-align: center;"><u>Producing Data</u></p> <p>Students will apply appropriate methods of data collection and plan and conduct surveys and experiments.</p>	<ul style="list-style-type: none"> ➤ Quiz – producing data ➤ Test – producing data 	II.A II.B II.C II.D
Unit 4 5	<p style="text-align: center;"><u>Probability</u></p> <p>Students will explore random phenomena using probability and simulation, solve problems using the rules of probability and solve problems involving random variables.</p>	<ul style="list-style-type: none"> ➤ Quiz – probability ➤ Test – probability ➤ Midterm exam (cumulative) 	III.A III.B III.C
Unit 5 4	<p style="text-align: center;"><u>From Probability to Inference</u></p> <p>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.</p>	<ul style="list-style-type: none"> ➤ Quiz – random variables ➤ Test – random variables 	III.A III.B III.C III.D