Maplewood Richmond Heights School District

Course Name	AP Statistics

Course Description	The AP Statistics course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. There are four themes evident in the content, skills, and assessment in the AP Statistics course: exploring data, sampling and experimentation, probability and simulation, and statistical inference. Students use technology, investigations, problem solving, and writing as they build conceptual understanding.

Course Number	Grade Level	Duration
HSMT2081 and HSMT2082	11,12	1 year

Essential Outcomes	• Select methods for collecting and/or analyzing data for statistical inference with confidence intervals and significance tests • Describe patterns, trends, associations, and relationships in data distributions both numerically and graphically. • Calculate and compare summary statistics, relative positions of points within a distribution, correlation, and predicted response • Explore random phenomena and probability using simulations and probability distributions. • Develop an explanation or justify a conclusion using evidence from data, definitions, confidence intervals, or significance tests.
	https://apcentral.collegeboard.org/media/pdf/ap-statistics-course-and-exam-description.pdf