

## **ROSLYN HIGH SCHOOL**

**DEPARTMENT: MATHEMATICS**

**NAME OF COURSE: ADVANCED PLACEMENT STATISTICS**

### **GENERAL DESCRIPTION:**

AP Statistics is designed for the able and ambitious student who has completed the full high school mathematics program through Math B. Content and applications are equivalent to the offerings of a one-semester, introductory, non-calculus-based college course in statistics.

### **MAJOR TOPICS COVERED:**

The topics covered will follow the suggested outline of the Advanced Placement Statistics Program recommended by the College Board. Topics include exploring data by observing patterns and departures from patterns, planning a study by deciding what and how to measure, anticipation patterns by producing models using probability theory and simulation, and statistical inference by confirming models.

**TEXTBOOKS:** The Practice of Statistics, Second Edition, Yates and Moore

### **REQUIREMENTS:**

Students are expected to maintain a set of well organized notes in a mathematics notebook, complete daily homework assignments and projects, and read selections from texts as assigned. Regular attendance is expected, and students are to make up work missed due to absences. Students should seek extra help during the school day in the mathematics study center or after school with the teacher when necessary. Appropriate behavior, respect for self and others, and participation in classroom activities are expected.

Students are required to take the Advanced Placement Exam in May.

#### **GRADING PROCEDURES:**

The grade for each of the four marking periods is determined by unit exams, quizzes, projects, and timely completion of homework assignments. Students will take a mid-year exam which will count as 20% of the second quarter grade. A final exam or project will be given and will be used to determine their fourth quarter grade. The student's final average will be determined by averaging the four quarter grades.