



Probability and Statistics

Course Description: *Completion of Algebra 2 is essential for success in this class.*

Students will study the three major topics in statistics: descriptive statistics (the basic tools of the statistician: mean, standard deviation, etc.), inferential statistics (tools that ensure valid experimental design and results), and probability (the mathematics of chance, randomness, and games of chance). They will also learn to critically evaluate statistics in their daily lives in order to become more informed consumers and citizens.

Attendance: Students are required to be in school every day. Students are responsible for communicating with their teachers to make up for missed learning.

Course Expectations: Although not everything is graded, everything is important. In order to demonstrate growth and learning, students will need to:

1. Participate in class activities (take notes, work in a group, complete in class tasks, ask questions) without distractions (cell phones, games, etc.)
2. Use morning time and the teacher to seek help outside of class when needed.
3. Complete all assessments within teacher timelines.

Grading

Skyward Assessment (Grades) may include quizzes, learning checks, projects, and tests.

Final Grade	
A	100% - 90%
B	80% - 89%
C	70% - 79%
D	60% - 69%
F	0% - 59%

Calculations:

Final Grade Calculation	
Cumulative Grade	95%
Final Exam(s)	5%

Instructional Resources:

- **Canvas, *Transition to College Mathematics and Statistics* textbook**

Course Calendar/Pacing:

<u>Unit 1:</u> Interpreting Categorical Data (25 periods)	<u>Unit 3:</u> Counting Methods (24 periods)
<u>Unit 5:</u> Binomial Distributions and Statistical Inference (25 periods)	<u>Project:</u> Will be spread throughout (5 periods)