Probability & Statistics

Course Description: 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 missed learning.

Essential Skills: [Skill #1 Create Mathematical Representations   Skill #2 Simplify, Solve, & Evaluate   Skill #3 Analyze & Interpret..]

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.
4. Work with classmates to problem solve and reason with new ideas.

Grading

Learning (Practice) includes instructional activities in and outside of class and are not used in grade determination.

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

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%**

Central High School Courses:

-Will determine grades based on student performance and growth.
-Will not include practice and behavior in grade determination.
-Will give all students regardless of absence an opportunity to demonstrate learning.
-Will not include extra credit.

Instructional Resources: [*Transition to College Mathematics & Statistics,* student.desmos.com, McGraw-Hill online resources, stats.cpm.org]

Course Calendar/Pacing:

2022-2023 Prob/Stats Course Calendar:

Unit 1: Interpreting Categorical Data (25)				Unit 3: Counting Methods (24)		
Unit 5: Binomial Distributions and Statistical Inference (25)				Project: Choice among 3 units (5)		
NO SCHOOL				Final Exams		