

## CLASS EXPECTATIONS FOR AP STATISTICS

MRS. JOHNSON ROOM C 201

EMAIL: [LINDSAY\\_JOHNSON@CHINO.K12.CA.US](mailto:LINDSAY_JOHNSON@CHINO.K12.CA.US)

**COURSE DESCRIPTION:** – STATISTICS ADVANCED PLACEMENT (AP) IS THE SCIENCE OF COLLECTING AND ANALYZING DATA AND TURNING DATA INTO INFORMATION. THE CURRICULUM OF THIS STATISTICS COURSE INCLUDES DATA ANALYSIS AND STATISTICAL INFERENCE. THE TOPICS INVOLVED IN DATA ANALYSIS INCLUDE BASIC DESCRIPTIVE STATISTICS (MEAN, MEDIAN, MODE, RANGE, STANDARD DEVIATION, AND PERCENTILES), INTERPRETATION OF DATA GIVEN IN GRAPHS AND TABLES, ELEMENTARY PROBABILITY, THE ABILITY TO SYNTHESIZE INFORMATION, TO SELECT APPROPRIATE DATA FOR ANSWERING A QUESTION, AND TO DETERMINE WHETHER OR NOT THE DATA PROVIDED ARE SUFFICIENT TO ANSWER A GIVEN QUESTION. THIS COURSE OF STUDY HAS BEEN PREPARED IN CONJUNCTION WITH THE CALIFORNIA STATE FRAMEWORKS FOR MATHEMATICS, THE NATIONAL COUNCIL FOR TEACHERS OF MATHEMATICAL STANDARDS FOR CURRICULUM AND EVALUATION, AND THE ADVANCED PLACEMENT COURSE DESCRIPTION GUIDE FOR STATISTICS PUBLISHED BY THE COLLEGE BOARD. IT IS A NON-CALCULUS BASED INTRODUCTION TO STATISTICS EXPOSING STUDENTS TO FOUR BROAD CONCEPTUAL THEMES:

- EXPLORING DATA: DESCRIBING PATTERNS AND DEPARTURES FROM PATTERNS
- SAMPLING AND EXPERIMENTATION: PLANNING AND CONDUCTING A STUDY
- ANTICIPATING PATTERNS: EXPLORING RANDOM PHENOMENA USING PROBABILITY AND SIMULATION
- STATISTICAL INFERENCE: ESTIMATING POPULATION PARAMETERS AND TESTING HYPOTHESES

<u>RULES</u>	<u>MATERIALS</u>
1. BE ON TIME/PRESENT TO CLASS MEETINGS	A. COVERED TEXTBOOK
2. BRING MATERIALS	B. MATH BINDER
3. STAY ON TASK	C. SHARPENED PENCILS WITH ERASERS
4. NO CELL PHONES, ELECTRONIC DEVICES, FOOD, DRINKS, OR GUM (WHEN IN CLASSROOM)	D. GRAPHING CALCULATOR TI-83/TI-84 (AVAILABLE IN LIBRARY)
5. RESPECT YOURSELF, OTHERS, AND SCHOOL PROPERTY	E. ACCESS TO AP CLASSROOM VIA COLLEGE BOARD WEBSITE

**CLASSWORK:** STUDENTS ARE EXPECTED TO ATTEND LIVE CLASSES, PARTICIPATE IN CLASS DISCUSSIONS AND ASK QUESTIONS. STUDENTS ARE REQUIRED TO KEEP AN ORGANIZED NOTEBOOK FOR READING & LECTURE NOTES, GRADED HOMEWORK, QUIZZES AND TESTS. IN THE EVENT A STUDENT IS ABSENT, THE STUDENT WILL BE RESPONSIBLE TO GET THE NOTES AND ANY WORK ASSIGNED FROM A CLASSMATE.

**HOMEWORK:** READING THE TEXTBOOK AND INDEPENDENT PRACTICE COMPLEMENT DAILY CLASS LESSONS AND ARE ESSENTIAL FOR CONTENT COMPREHENSION AND RETENTION. WORK WILL BE ASSIGNED MONDAY THROUGH THURSDAY, FRIDAY'S AS NEEDED. EVERY ASSIGNMENT IS WORTH 5 POINTS AND CREDIT WILL BE GIVEN ONLY IF THE ASSIGNMENT IS ON TIME AND COMPLETE. A COMPLETE ASSIGNMENT IS ONE IN WHICH ALL THE EXERCISES ARE *NEATLY* COMPLETED AND NECESSARY WORK SHOWN. MAKE UP HOMEWORK DUE

TO AN EXCUSED ABSENCE MUST BE TURNED IN WITHIN 3 DAYS AFTER RETURNING FROM THE ABSENCE. LATE WORK FOR EACH UNIT MUST BE TURNED IN BY THE UNIT EXAM FOR A GRADE OF C. MAKE UP OR LATE WORK TURNED IN AFTER SAID DEADLINE WILL NOT BE ACCEPTED. WE LEARN FROM MISTAKES, BUT IT IS THE STUDENT'S RESPONSIBILITY TO MAKE SURE THAT THE HOMEWORK IS DONE CORRECTLY. STUDENTS SHOULD CHECK THE ANSWERS TO THE ODD PROBLEMS WHEN WORK IS ASSIGNED FROM THE TEXTBOOK. IF TIME PERMITS WE WILL GO OVER QUESTIONS FROM THE PREVIOUS NIGHT'S HOMEWORK. IT IS THE STUDENT'S RESPONSIBILITY TO SEEK HELP WHEN THEY DON'T UNDERSTAND A TOPIC. PLAGIARISM (COPYING ANOTHER STUDENT'S WORK OR FROM THE INTERNET) WILL RESULT IN NO CREDIT. ALL HOMEWORK WILL BE POSTED VIA GOOGLE CLASSROOM.

QUIZZES & EXAMS: QUIZZES MAY BE GIVEN ANNOUNCED OR UNANNOUNCED SEVERAL TIMES IN EACH UNIT. TESTS WILL USUALLY BE GIVEN AT THE END OF EACH UNIT AND AT THE END OF THE SEMESTER. MAKE UP QUIZZES OR TESTS DUE TO AN EXCUSED ABSENCE MUST BE COMPLETED AT LUNCH OR AFTER SCHOOL THE DAY THE STUDENT RETURNS FROM THE ABSENCE.

EXTRA CREDIT: TESTS & QUIZZES MAY OCCASIONALLY CONTAIN BONUS QUESTIONS FOR EXTRA CREDIT. MAKE UPS WILL *NOT* CONTAIN BONUS QUESTIONS FOR EXTRA CREDIT.

AP EXAM: ALL STUDENTS ARE EXPECTED TO PREPARE FOR AND TAKE THE AP STATISTICS EXAM SCHEDULED TUESDAY, MAY 8TH, 2025 AT 8AM. FULL LENGTH PRACTICE EXAMS MAY BE SCHEDULED ON THE WEEKENDS IN APRIL PRIOR TO THE EXAM. ALL STUDENTS ARE EXPECTED TO PARTICIPATE IN THE PRACTICE IN ORDER TO BE WELL PREPARED FOR THE CONTENT AND FORMAT OF THE EXAM.

**ASSESSMENT WILL BE AS FOLLOWS:**

GRADING SCALE: A 90-100% B 80-89% C 70-79% D 60-69% F 0-59%	YOUR GRADE WILL BE WEIGHTED AS FOLLOWS:  80% EXAMS & QUIZZES  20% HOMEWORK, CLASSWORK, & NOTEBOOK
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GRADES : GRADES WILL BE AVAILABLE ONLINE FOR STUDENTS AND PARENTS VIA AERIES COMMUNICATION.

EXTRA HELP: I WILL BE AVAILABLE TUESDAY AND THURSDAY BEFORE SCHOOL AND MON-THURS DURING LUNCH.

UNAUTHORIZED USE OF ARTIFICIAL INTELLIGENCE:

STUDENTS ARE REMINDED THAT THE USE OF ARTIFICIAL INTELLIGENCE (AI) FOR UNAUTHORIZED PURPOSES, INCLUDING PLAGIARISM, OR ANY FORM OF ACADEMIC DISHONESTY, IS STRICTLY PROHIBITED. AI TOOLS SHOULD BE USED ETHICALLY AND RESPONSIBLY, AND ANY USE THAT UNDERMINES ACADEMIC INTEGRITY WILL RESULT IN DISCIPLINARY ACTION.

LOOKING FORWARD TO AN AMAZING YEAR,

MRS. JOHNSON

WE HAVE READ AND UNDERSTAND THE CLASS EXPECTATIONS FOR AP STATISTICS.

PRINT STUDENT NAME \_\_\_\_\_ AP STATISTICS – PERIOD \_\_\_\_\_

\_\_\_\_\_  
STUDENT SIGNATURE

\_\_\_\_\_  
STUDENT EMAIL

\_\_\_\_\_  
PARENT SIGNATURE

\_\_\_\_\_  
PARENT EMAIL

PARENT CONTACT INFORMATION (EMAIL OR DAYTIME PHONE): \_\_\_\_\_