



Course Name	AP Statistics	Course Code	27.0740000
School Name	Cedar Grove High School	Teacher	Linda Jackson
School Phone Teacher Phone	678-874-4002 (Front Office) 404-750-4196 (Google Voice) 678-874-4077 (Classroom)	Teacher Email	Linda_Jackson@dekalbschoolsga.org
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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. Students will learn to think critically and construct solid arguments – skills that prepare them for college and beyond. Students have an opportunity to earn college credit when they take the culminating AP Statistics Exam in May.

CURRICULUM OVERVIEW:

Units	Exam Weighting
Unit 1: Exploring One-Variable Data	15–23%
Unit 2: Exploring Two-Variable Data	5–7%
Unit 3: Collecting Data	12–15%
Unit 4: Probability, Random Variables, and Probability Distributions	10–20%
Unit 5: Sampling Distributions	7–12%
Unit 6: Inference for Categorical Data: Proportions	12–15%
Unit 7: Inference for Quantitative Data: Means	10–18%
Unit 8: Inference for Categorical Data: Chi-Square	2–5%
Unit 9: Inference for Quantitative Data: Slopes	2–5%

BIG IDEA 1: VARIATION AND DISTRIBUTION (VAR)

The distribution of measures for individuals within a sample or population describes variation. The value of a statistic varies from sample to sample. How can we determine whether differences between measures represent random variation or meaningful distinctions? Statistical methods based on probabilistic reasoning provide the basis for shared understandings about variation and about the likelihood that variation between and among measures, samples, and populations is random or meaningful.

BIG IDEA 2: PATTERNS AND UNCERTAINTY (UNC)

Statistical tools allow us to represent and describe patterns in data and to classify departures from patterns. Simulation and probabilistic reasoning allow us to anticipate patterns in data and to determine the likelihood of errors in inference.

BIG IDEA 3: DATA-BASED PREDICTIONS, DECISIONS, AND CONCLUSIONS (DAT)

Data-based regression models describe relationships between variables and are a tool for making predictions for values of a response variable. Collecting data using random sampling or randomized experimental design means that findings may be generalized to the part of the population from which the selection was made. Statistical inference allows us to make data-based decisions.

BOARD-APPROVED INSTRUCTIONAL MATERIALS

Title	Stats: Modeling the World 6 th Edition, AP Edition
ISBN	ISBN 10: 0137833636
Replacement Cost	TBD
Online book and/or resources	Log in via Clever

GRADING SYSTEM: The DeKalb County School District believes that the most important assessment of student learning shall be conducted by the teachers as they observe and evaluate students in the context of ongoing classroom instruction. A variety of approaches, methodologies, and resources shall be used to deliver educational services and to maximize each student's opportunity to succeed. Teachers shall evaluate student progress, report grades that represent the student's academic achievement, and communicate official academic progress to students and parents in a timely manner through the electronic grading portal. **See Board Policy IHA.**

GRADING CATEGORIES	*GRADE PROTOCOL
Formative and Diagnostic Assessments – 0% Assessment Tasks (Skills & Homework) – 25% Classwork (Guided, Independent, and Group Practice) – 45% Quizzes, Tests, and Projects – 30%	A 90 – 100 B 80 – 89 C 71 – 79 D 70 F Below 70
DISTRICT EXPECTATIONS FOR SUCCESS	
STUDENT PROGRESS	Semester progress reports shall be issued four and a half, nine and thirteen and a half weeks into each semester. The progress of students shall be evaluated frequently and plans shall be generated to remediate deficiencies as they are discovered. Plans shall include appropriate interventions designed to meet the needs of the students. See Board Policy IH.
ACADEMIC INTEGRITY	Students will not engage in an act of academic dishonesty including, but not limited to, cheating, providing false information, falsifying school records, forging signatures, or using an unauthorized computer user ID or password. See the Code of Student Conduct - Student Rights and Responsibilities and Character Development Handbook.
HOMEWORK	Homework assignments should be meaningful and should be an application or adaptation of a classroom experience. Homework is at all times an extension of the teaching/learning experience. It should be considered the possession of the student and should be collected, evaluated and returned to the students. See Board Policy IHB.
MAKE-UP WORK DUE TO ABSENCES	When a student is absent because of a legal reason as defined by Georgia law or when the absence is apparently beyond the control of the student, the student shall be given an opportunity to earn grade(s) for those days absent. Make-up work must be completed within the designated time allotted. See Board Policy IHEA.
SCHOOL EXPECTATIONS FOR SUCCESS	
CLASSROOM EXPECTATIONS	<ul style="list-style-type: none"> • Follow all school and district rules. • Be present each day on time. • Treat others with respect. • Actively participate in class activities and discussions • Bring chromebook fully charged. Put phone/devices away.
MATERIALS AND SUPPLIES	<ul style="list-style-type: none"> • Portfolio (3-ring binder; 2 inches or larger) with dividers: • Notebook paper (loose-leaf) • #2 pencils and erasers • Optional: Tissues & hand sanitizer
EXTRA HELP	Tutorial is available Tuesdays & Thursdays starting at 3:15. Reach out for additional times if needed. See teacher website for helpful resources: https://msjacksoncghs.weebly.com/virtual-learning.html https://msjacksoncghs.weebly.com/statistics.html
PARENTS AS PARTNERS	<ul style="list-style-type: none"> • Reach out to teacher via email, text or phone with any questions or to set up a conference • Monitor grades & attendance via Campus Portal. • Ensure students complete assignments daily. They should study each day. • Review progress reports with students every 4.5 weeks. • Check school website regularly for important events.

