Statistics/Business Decision Making Instructional Plan: Fall Semester

Course Overview

Welcome to **Statistics**, a course designed to empower students with essential analytical and critical thinking skills needed in today's data-driven world. Through this course, students will learn how to collect, analyze, interpret, and present data, helping them make informed decisions in academic, professional, and real-life situations.

This course fosters a deep understanding of variability, probability, and statistical inference while promoting mathematical communication, reasoning, and problem-solving. By engaging in hands-on investigations, interpreting real-world data, and using technological tools, students develop a strong foundation for future studies in science, business, social sciences, and beyond.

Contact Information

Teacher Name: Jennifer Garcia Villanueva , Gregory Miller

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Phone: (432)240-3000

Classroom Expectations

Be Respectful
Respect your teacher, classmates, and the learning environment.
Listen actively, use appropriate language, and respect differing opinions.

Be Prepared
Bring required materials (notebook, calculator, assignments) to class daily.
Review previous lessons and complete all homework on time.

Participate Actively
Engage in class discussions, group activities, and ask questions when needed.
Stay focused and avoid distractions (e.g., phones, side conversations).

Follow Directions the First Time
Listen carefully and follow all instructions promptly and accurately.
Use time wisely and stay on task.

Maintain Academic Integrity
Do your own work and avoid plagiarism or cheating during assignments and assessments.

If expectations are not met a meeting with teacher, parent(s), and/or assigned Principal will be set.

Attendance Policy & Its Importance
A strong association exists between regular class attendance and successful completion of the class. You are strongly encouraged to be present in school whenever possible, ready and willing to learn. So, put your best foot forward and let's have a great year!!

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Please notify the school if your child will be absent. Frequent or extended absences may make it more difficult for your child to learn necessary foundational skills that ensure student success this year and in future school years.

Learning Objectives

Unit 1: What Is Statistics & Why Does It Matter?

In this unit, you'll explore what statistics is and how it helps us make sense of the world. You'll learn the difference between data types (like numbers vs. categories), how to ask good questions, and how to use tools like calculators and graphs. This unit sets the stage for everything you'll do in this course!

Unit 2: How to Collect Data the Right Way

Not all data is created equal! In this unit, you'll learn how to design surveys, choose good samples, and spot bias in data collection. You'll also explore the differences between observational studies, surveys, and experiments. By the end, you'll know how to tell if a study can really be trusted.

Unit 3: Making Sense of Data

Now that you've got data, what do you do with it? You'll learn how to organize and display information using graphs like histograms, box plots, and bar charts. You'll also calculate and interpret key statistics like mean, median, range, and standard deviation. This unit helps you uncover what data is really saying.

Unit 4: Understanding Variability

No two data sets are exactly alike—and that's important! This unit helps you understand why data varies and how to model that variation using simulations and statistical tools. You'll learn the basics of statistical models and why they're more useful than just a single number or formula.

Course Resources
- Google Classroom, DeltaMath, Khanmingo, IXL, etc.

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Grading Policy
- 60% Tests & Projects
- 30% Quizzes
- 10% Daily Work- Practice, lesson activities, etc.

Assessment Retakes

In order to reassess, you must first make sure that you have:

1) no missing homework assignments for the unit

2) submit test corrections form.

You may reassess at any point during one of my tutorials within 4 days (or otherwise specified by teacher) of receiving your score. According to district policy, the highest grade a student can earn on a reassessment is a 75. A student who does not complete the original assessment is not eligible for redo.

Makeup Work

If absent, you will be assigned a grade of zero (0) for all work missed. It is your responsibility to obtain and complete the work missed for each absence.

- Check Google Classroom for missing assignments
- You will be given 1 day per each day of the absence to turn in those assignments.
- School related absence: You must request your work before leaving. (UIL Policy)
- If you are absent on review day or test day, you must speak to the teacher to arrange testing time.

Late Work

We will follow district policy:

1 class day late - A maximum grade of 90

2 class days late - A maximum grade of 80

3 or 5 days late - A maximum grade of 70

After five school days, work does not have to be accepted and a grade of 0 may be assigned

School-wide System of Communication

Communication will primarily occur through email or text message.

Please feel free to reach out with any questions or concerns. We are excited to work together to make this a successful year of learning!

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Please fill out the portion below and return this portion to your teacher.

We acknowledge that we have read and that we understand the expectations in Statistics. We agree to contact the teacher should we have any questions or concerns regarding this instructional plan.

Parent Name:

_____

Student Name:

_____

Cell Phone Number:

_____

E-Mail:

_____

Parent Signature :

_____

Student Signature:

_____

Date:_____