

## Summer Reading and Work 2023-2024 AP Statistics

Dear students and guardians

AP Statistics is an important math course in college. To quote College Board “A July 2002 article in the *Chronicle of Higher Education* reports that the enrollment in statistics courses from 1990 to 2000 increased by 45 percent — one testament to the growth of statistics in those institutions. An introductory statistics course, similar to the AP Statistics course, is typically required for majors such as **physical sciences social sciences, health Sciences and business**. If you ever wonder how businesses build their models, how they forecast profit or loss, or how airlines chooses the optimum path to fly from one city to the other, how they change their ticket prices, or in the medical field how a new medicine is introduced to cure a disease then statistics is the answer to all those areas. Every semester about 236,000 college and university students enroll in an introductory statistics course offered by a mathematics or statistics department. In addition, a large number of students enroll in an introductory statistics course offered by other departments.” Other than engineering all colleges will make you take one statistics class.

The AP statistics course is divided into 7 units. The first unit is very easy. To be successful in AP statistics you need to have common sense and logical thinking skills. Statistics is a completely different language in math. Also if you have heard that there is a lot of writing in AP stats it is a myth. Writing is involved but it is not like writing an essay or a paragraph. You have to communicate your understanding in a very succinct mathematical way. You will be given acronyms to remember what to write. **Calculators (TI 84 PLUS SILVER EDITION OR TI CE EDITION) are allowed for the entire test and it is an important part of the course.** To have an overview of the AP Statistics course we would like you to watch the following You Tube Videos:

- AP Stats Guy Summer Video 1, AP Stats Guy Summer Video 2, AP Stats Guy Summer Video 3

**In addition please do the attached packet. The packet will let the teacher know about your background knowledge of algebra and numerical analysis skills.**

An integral part of the AP Statistics course is the TI 84 plus OR a TI CE Calculator. It is **required to have a calculator** for this class. The text book has instructions for how to use the **TI 84 plus** or a **TI CE** edition. and not **TI Inspire**. (***Please do not buy the TI Inspire or any other version other than the TI 84 plus or the TI CE***) We will have very little time in class on how to use the calculator. As a result your summer reading is to become familiar with a few commands on the calculator.

We hope you enjoy your summer vacation. We are looking forward to working with you in September. If you have any questions please email at [ssengupta@newbedfordschools.org](mailto:ssengupta@newbedfordschools.org)

Thank You

S. Sengupta

**Read chapter 3 and 4 of the book uploaded in the school website.**

**Then please do the following problems on paper. Please label properly.**

**Chapter 3 : 11,18,19,20,24,25**

**Chapter 4 : 8,11,13,14,30,36,37**

**Please email me at**

**[ssengupta@newbedfordschools.org](mailto:ssengupta@newbedfordschools.org). Also please check Teams. But the most important part is please join me on REMIND. You will have to download REMIND app on your phone.**

**Class Name AP stats 2024 class code gold2308**