

**AP Statistics 2021-2022**  
**Mrs. Barnhart**

Email: [barnhartc@walton.k12.fl.us](mailto:barnhartc@walton.k12.fl.us)  
Website: [swhsbarnhart.weebly.com](http://swhsbarnhart.weebly.com)  
School Phone: (850) 622 – 5020 ext. 4323

*Students and parents: Please sign that you have read and understand this information.  
Colored signature page attached.*

**Included in this packet:**

- Materials (things needed to succeed)
- Classroom Rules
- Classroom Procedures
- Grades
- Tutoring / Office Hours
- Course Overview
- Remind 101
- Approved Calculators for AP Exam

**Things you must have to succeed:**

- 1 - 1 inch 3 ring binder
- 12 dividers
- Loose leaf notebook paper
- Plain copy paper
- ¼ inch grid graph paper
- 100 3x5 index cards
- Pencils (#2) and erasers
- Red and Blue Pens
- Graphing calculator (preferably a TI-84 Plus CE) and ALL cables
- Deck of Playing Cards
- Ruler

**Wish List**

- Hand sanitizer
- Antibacterial Wipes
- Tissues
- Paper Towels

**Classroom rules**

1. Follow directions.
2. Be respectful.
3. Be prepared for class every day.
4. No cursing, putdowns, or grooming.
5. All other school and district policies and procedures.

**Classroom/Grading Procedures:**

Assignments will be given daily. All assignments will be graded for completeness by the teacher and checked for accuracy by the student. All work must be shown and **ALL** problems **MUST** be attempted in order to receive credit. **Assignments turned in without a name will not be graded. Late work is NOT accepted, unless you were absent on the due date. All assignments can be accessed on my website by 3pm daily.** All assignments must be kept in a notebook in chronological order. You will keep homework and Focus Notes in your notebook.

Quizzes may be given on any day. They may or may not be announced. Expect a quiz on any day and they will not be pop quizzes.

There will be 1 test per chapter. It will be given upon completion of each chapter and announced at least two days prior to the date given. There will be one review day prior to the chapter test. **Students who are absent for test review must take a previously announced test on the assigned date. Students who are absent the day a previously announced test is given must make the test up the day they return to school. Plans must be made to take the test before or after school. You may not miss a second day of class in order to make up a previously missed test.**

Students who are absent are responsible for getting their makeup work and turning it in within one day after an absence. Any work turned in past this deadline will not receive credit. You must also turn in an excuse note to the office. (Please see the student handbook on page 14 for additional information.)

Project grades will be averaged as major test grades.

**Grades****Grading Scale**

- 90% - 100%           A
- 80% - 89%            B
- 70% - 79%            C
- 60% - 69%            D
- 59% and below        F

**Grade Calculation:**

- Daily Assignments & Homework   10%
- Quizzes                                 40%
- Tests, Notebook & Projects         50%

**Grades may be accessed anytime on the parent portal. Please sign-up at the front office and receive your password.**

**Important Grade Notes**

- A comprehensive exam will be given at the end of each 9 weeks and will count as 20% of the quarter average.
- Star Testing will be given three times during the school year. A Diagnostic test, Pre, and Post-test will also be given.
- Your AP Exam will determine if you receive college credit for the class. You must score a 3, 4, or 5 to receive college credit at select schools.

**Tutoring / Office Hours**

I am available for tutoring Monday-Friday at 7am to first bell. Tutoring will be in my classroom. Tutoring is subject to change. If there is a last minute change, I will send out a message on Remind 101.

**Course Overview**

AP Statistics is a course that prepares you for the SAT, ACT, and college. This is considered to be a college level class, and all students will be held to college standards. We will be using The Practice of Statistics 6<sup>th</sup> edition, Starnes, Tabor and Wilcox. **All students will be expected to use the online book. If you do not have access to internet at home, please talk to Mrs. Barnhart to make other arrangements.**

The following topics will be covered in AP Statistics:

- Chapter 1 – Data Analysis
- Chapter 2 – Modeling Distributions of Data
- Chapter 3 – Describing Relationships
- Chapter 4 – Collecting Data
- Cumulative Practice Test
- Chapter 5 – Probability: What are the Chances?
- Chapter 6 – Random Variables
- Chapter 7 – Sampling Distributions
- Cumulative Practice Test (Midterms)
- Chapter 8 – Estimating with Confidence
- Chapter 9 – Testing a Claim
- Chapter 10 – Comparing Two Populations or Treatments
- Cumulative Practice Test
- Chapter 11 – Inference for Distributions of Categorical Data
- Chapter 12 – More about Regression
- Cumulative Practice Test
- Review for AP Exam

After the AP Exam, the students will complete a cumulative final project. Rubric, directions, and examples will be available during the 4<sup>th</sup> nine weeks.

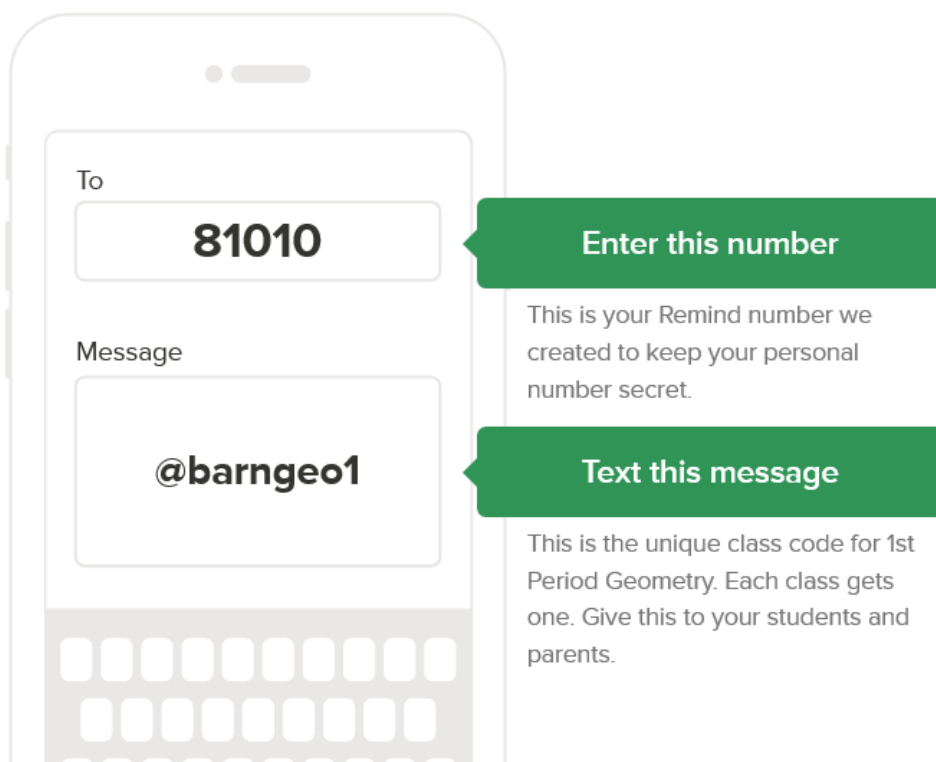
**Remind 101**

I highly recommend and encourage all students and parents to join my Remind 101. It is not required, but I do try to give extra credit each nine weeks for student and parent involvement. I use Remind 101 to send reminders for major assignments (not nightly homework). There is also a secure chat feature that students can use to ask me questions about anything in class.

It is very easy to join Remind 101. (See instructions below)

All students and parents will use number **81010** as the **TO** number of a text message. Then type in their class code as the message. You can also download the Remind 101 App on your smart phone.

1 <sup>st</sup> Period Statistics Honors	@barnstat1
2 <sup>nd</sup> Period AP Statistics	@barnstat2
3 <sup>rd</sup> Period AP Statistics	@barnstat3
4 <sup>th</sup> Period Statistics Honors	@barnstat4
5 <sup>th</sup> Period AP Statistics	@barnstat5
6 <sup>th</sup> Period Statistics Honors	@barnstat6



See codes above.

**AP Statistics Exam 2022 – Thursday, May 5 (Afternoon)**

<b>Topic</b>	<b>Exam Percentage</b>
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%

<b>Exam Format</b>		
<b>Questions</b>	<b>Percent of AP Grade</b>	<b>Time</b>
40 Multiple Choice	50%	90 minutes 2.25 minutes/question
6 Free-Response 5 Short Answer 1 Investigative Task	50%	90 minutes 13 minutes/question 25 minutes

<b>Free Response Question Scoring</b>	
4	Complete
3	Substantial
2	Developing
1	Minimal
0	

<b>AP Exam Grades</b>	
5	Extremely Well-Qualified
4	Well-Qualified
3	Qualified
2	Possibly Qualified
1	No Recommendation

**Sample Exam Rubric****2019 AP Statistics Scoring Worksheet****Section I: Multiple Choice**

$$\frac{\text{Number Correct}}{\text{(out of 40)}} \times 1.2500 = \frac{\text{Weighted Section I Score}}{\text{(Do not round)}}$$

**Section II: Free Response**

$$\text{Question 1 } \frac{\text{_____}}{\text{(out of 4)}} \times 1.8750 = \frac{\text{_____}}{\text{(Do not round)}}$$

$$\text{Question 2 } \frac{\text{_____}}{\text{(out of 4)}} \times 1.8750 = \frac{\text{_____}}{\text{(Do not round)}}$$

$$\text{Question 3 } \frac{\text{_____}}{\text{(out of 4)}} \times 1.8750 = \frac{\text{_____}}{\text{(Do not round)}}$$

$$\text{Question 4 } \frac{\text{_____}}{\text{(out of 4)}} \times 1.8750 = \frac{\text{_____}}{\text{(Do not round)}}$$

$$\text{Question 5 } \frac{\text{_____}}{\text{(out of 4)}} \times 1.8750 = \frac{\text{_____}}{\text{(Do not round)}}$$

$$\text{Question 6 } \frac{\text{_____}}{\text{(out of 4)}} \times 3.1250 = \frac{\text{_____}}{\text{(Do not round)}}$$

$$\text{Sum} = \frac{\text{_____}}{\text{Weighted Section II Score (Do not round)}}$$

**Composite Score**

$$\frac{\text{Weighted Section I Score}}{\text{_____}} + \frac{\text{Weighted Section II Score}}{\text{_____}} = \frac{\text{Composite Score (Round to nearest whole number)}}{\text{_____}}$$

AP Score Conversion Chart  
Statistics

Composite Score Range	AP Score
73-100	5
59-72	4
44-58	3
32-43	2
0-31	1