Statistical Reasoning
Mrs. Brattebo
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Course Description
Statistical Reasoning is a fourth mathematics course option for students who have completed GSE Algebra 2. The course provides experiences in statistics beyond the GSE sequence of courses, offering students opportunities to formulate statistical questions to be answered using data, will design and implement a plan to collect the appropriate data, will select appropriate graphical and numerical methods for data analysis, and will interpret their results to make connections with the initial question.

Topics
Unit 1 Statistical Problem Solving Process
Unit 2 Describing Data
Unit 3 Collecting Data
Unit 4 Describing Data Relationships
Unit 5 Sampling and Surveys
Unit 6 Creating Experiments

Textbook

You will have access to a textbook during class, but you will not be guaranteed a textbook outside of class. If you would like to check out your own textbook to bring home, please let me know as soon as possible. If you check out a book, you will be accountable for replacing it if it is lost or unusable.

Supplies
- 3-ring binder (1.5 + inch)
- Dividers
- Loose leaf
- Notebook
- Pens and pencils
- Scientific Calculator TI-36X PRO, or a Graphing Calculator TI-83/84

Calculator
It is strongly recommended that you purchase one of the calculators listed above. Students who are unable to purchase a calculator will have access to a scientific calculator during class demonstrations. Calculators are for in class use only. Calculators will not be allowed to take home.

Grading Policy

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<tr>
<th>Grading Policy</th>
<th>Tests/Projects</th>
<th>Quizzes</th>
<th>Daily Grade</th>
<th>Midterm</th>
<th>Final</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>50%</td>
<td>25%</td>
<td>10%</td>
<td>5%</td>
<td>10%</td>
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</tbody>
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The Cobb county policy for the assignment of letter grades

<table>
<thead>
<tr>
<th>90 – 100</th>
<th>A</th>
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<tbody>
<tr>
<td>80-89</td>
<td>B</td>
</tr>
<tr>
<td>74-79</td>
<td>C</td>
</tr>
<tr>
<td>70-73</td>
<td>D</td>
</tr>
<tr>
<td>69 or below</td>
<td>F</td>
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Daily Grade
This course is different from any other math class you have taken in the past. You will be required to read and study concepts and vocabulary presented in the book. The key to mastering these new topics is to practice through problems and activities. This class is designed where you will not have the traditional mathematics homework every night. If you do not complete the assignment during class, you may be required to finish the assignment for homework. Daily assignments may be checked for completion or for accuracy. A grade of zero (0) will be given for all missed/absent work.

**Daily practice is graded on a 4 point scale**
4 = 100% completed
3 = 75% completed
2 = 50% completed
1 = 25% completed

Daily practice assignments will be combined into sections on quiz/test days and updated in Synergy.

Quizzes
Quizzes will be given frequently and may or may not be announced.

Tests and Projects
Every unit will have at least one test and/or project. These projects may or may not be in a group. Each project is considered a test grade. Therefore, it is important that you take advantage of the class time given in order to complete these projects.

Midterm and Final
There is no End of Course Assessment for this class. There will be a midterm exam which will count towards 5% of your overall grade and a final exam at the end of the semester worth 10% of your overall grade.
Help Sessions

Help is available to you outside of class. You must take the initiative and make an appointment with the teacher before or after school. Please do not hesitate to ask if you need help.

Absences

Attendance is an extremely important part of this course. If you are absent at any time, check the absent folder for anything you may have missed. All test and quiz dates are posted on the blog and the whiteboard. If you are absent the day before the test/quiz, you will still be responsible to take that assessment on the posted date. If you miss a test or a quiz, you will be required to make it up outside of class ASAP.

Late Work

Daily work is very important in order to perform well on assessments. The maximum grade on any late work received after the unit test will be a 2/4 (50%). Grading and updating late work in Synergy may be delayed.

Blog

The blog is the most important resource you have for this course. The blog contains a weekly schedule including all of the notes and assignments for each day as well as reviews and review keys for tests.

Recovery

Quizzes
Below 75%: Quiz grades below 75% may be replaced with their test score for a maximum grade of 75%.
75% and above: Not eligible to participate in recovery.

Tests - Homework completion is a requirement if you wish to participate in test recovery.
Below 75%: Students must complete test corrections in order to recover a failed test. You will earn 0.5 points for every 1 point missed for a maximum recovery grade of a 75%.
75% and above: Not eligible to participate in recovery.

Cell Phone Policy

Cell phones/electronic devices will not be allowed to be used during instructional time. This includes the use of headphones. In extreme circumstances, students may have their phones removed from their possession and will be returned at the end of class. If cell phone use becomes excessive, students may be referred to their administrator for this behavior. Students may only use their electronics with prior given permission.

Grading and communication will both be done through Student/ParentVue. If you do not have an account set up, please have your parent contact Mrs. Collins in Admin 1 to get a login and password.

CHEATING (as specified by 2018-2019 Student Handbook)

The following are considered scholastic dishonesty in schoolwork and will be disciplined. Some offenses may be criminal in nature, and will be reported to the appropriate law enforcement agency.  

A. Taking information of any form into a test situation for the purpose of responding to test items  
B. Plagiarism – Using the ideas or words of others without proper documentation  
C. Copying the work of others when the copied material will count as part of the semester grade. This includes the copying of computer disks.  
D. Communicating test information to others in or out of class  
E. Taking test questions (complete test, answer key, teacher’s edition) to provide assistance in later test situations  
F. Selling, buying, or using papers written by another party  
G. Talking, communicating, or displaying cell phone during testing  

DISCIPLINARY PROCEDURES WHEN CHEATING IS DISCOVERED

A. Individual teacher handles situations A, B, C, D and G above. Mandatory actions by teachers will include the following:  
1. Assignment of a zero for that particular grade  
2. Teacher/student conference  
3. Parent notification  
4. Misconduct form to be filed in student’s disciplinary file  
B. Teacher refers situations E and F to the appropriate administrator. Disciplinary action will include the following:  
1. Assignment of a zero for that particular grade  
2. Student/administrator conference  
3. Teacher/parent conference  
4. Assignment to ISS for a minimum of two days  

Once a cheating incident has occurred and the teacher has discussed the matter with the student, the teacher should refer the student to the appropriate administrator so that it can be determined if a previous cheating incident has occurred. After the first offense, all subsequent offenses must be directed immediately to the appropriate administrator for action. National Honor Society and other organizations do not allow membership by students who have cheated. Incidents of cheating are cumulative over the student’s high school enrollment.

All items on this syllabus are subject to change at the teachers’ discretion, with prior announcement.
Statistical Reasoning Syllabus Agreement

PLEASE SIGN AND RETURN THIS PART OF THE COURSE SYLLABUS. RETAIN THE SYLLABUS FOR YOUR REFERENCE. IF YOU HAVE ANY QUESTIONS, YOU MAY NOTE THEM ON THE BACK OR CONTACT ME SEPARATELY.

__________________________________________________  ____________
Student’s printed name                                    Class period

Dear Parent(s)/Guardian(s),

I am always available to speak with you concerning your child’s progress at any point throughout the semester. The most convenient way to keep in touch with me is through email. Please feel free to email me at any time. My email address is listed at the beginning of the syllabus.

Which method is the best mode of contact for you? **Check the appropriate box.**

Primary Parent/Guardian Name:________________________________________________________

Secondary Parent/Guardian Name:________________________________________________________

☐  Email: My email address is:________________________________________________________

☐  Phone: My phone number is:________________________________________________________
  ○ The best time to reach me is:______________________________________________________

☐  Text Message: My phone number is:__________________________________________________

**Student:** I have read and understand the classroom policies and the teacher’s expectations for my behavior.

Signature:________________________________________  Date:________________________

**Parent:** I have read and understand the classroom policies and have discussed them with my child.

Signature:________________________________________  Date:________________________

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