| ***I.*** | ***Course Description:*** | Algebra II with Statistics builds essential concepts necessary for students to meet their postsecondary goals (whether they pursue additional study or enter the workforce), function as effective citizens, and recognize the wonder, joy, and beauty of mathematics (NCTM, 2018). In particular, it builds foundational knowledge of algebra and functions needed for students to take the specialized courses which follow it. This course also focuses on inferential statistics, which allows students to draw conclusions about populations and cause-and-effect based on random samples and controlled experiments. |
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| ***II.*** | ***Course Objectives:*** | Students will have a mastery of the content standards for this course so they are able to succeed in higher-level mathematics. The use of appropriate technology is encouraged for numerical and graphical investigations that enhance analytical comprehension. |
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| ***III.*** | ***Classroom Expectations:*** | **Classroom Rules and Procedures:**   1. Jet Core Values: Respectful, Responsible, Resourceful, and Reliable 2. Pencils are preferred by ALL math teachers. 3. **Must show work to receive credit.** 4. All school rules in the student handbook will be enforced. This includes Dress Code, Cell Phone, Ear Bud and Tardy Policies.   The following procedure will be followed:   * 1. Verbal reprimand   2. Conference with student with parent contact   3. Withdrawal of privilege(s) with parent contact   4. Other consequences determined to be reasonable and appropriate by the school administration.  1. Students are responsible for arriving in class on time and prepared to learn with required assignments, school device, and materials. 2. If you need help ASK! I am available for tutoring during Refuel. Please stop by and ask any questions you may have. If you need to schedule a different time just let me know!   **Cell Phones**  Cell phones and earbuds/headphones will not be allowed to be used during classroom instruction time. Phones and earbuds/headphones will be put away in a location designated by the teacher and placed in silent mode. In secondary schools, students will have access to their phones and earbuds/headphones outside of classroom instruction time such as between classes and lunch. Failure to follow these procedures will result in a disciplinary referral to the office. |
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| ***IV.*** | ***Grading Policy:*** | Test grades will account for 70% of the 9-weeks grade, with the remaining 30% being determined by quiz/daily grades. The grading scale is as follows: A (90-100), B (80-89), C (70-79), D (65-69), and F (below 65). Grades will be a reflection of mastery of the standards. Make sure all absences are excused as class work can be made up and graded for excused absences only. The Final Exam counts for 1/5 of final grade. |
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| ***V.*** | ***Make-up Test Policy:*** | \****Missing the review prior to the test does not exempt a student from taking the test on the previously announced date.***  1) Student will need to schedule make up test with Mrs. Breland ASAP!  2) Any assignment or test missed due to an unexcused absence will receive a zero.  3) Students caught cheating will receive a zero. This includes all parties involved  4) It is the student’s responsibility to get missed assignments from Schoology, Delta Math, or another student. |
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| ***VI.*** | ***Text and Other Required Reading:*** | Algebra 2 with Statistics by Big Ideas Learning |
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| ***VII.*** | ***Materials and Supplies Needed:*** | Pencils  1 in 3-Ring Binder  Loose Leaf Notebook Paper (College Rule)  Graph Paper  Scientific Calculator TI-30XS preferred  Graphing Calculator is recommended if planning to take higher level math. (TI-84)  Charged School Device  **Appreciated Donations**  Expo Markers  Tissue  Hand Sanitizer |
| ***VIII.*** | ***Homework:*** | Homework will be assigned on a daily basis. Homework will be posted online and given in class. |
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| ***IX.*** | ***Quizzes:*** | Quizzes will be given periodically. Quizzes are announced. |

| **18 – WEEK PLAN\*** | |
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| **Week 1** | Unit 1 - Expressions, Equations and Inequalities |
| **Week 2** | Unit 2 - Functions, Equations and Graphs |
| **Week 3** | Unit 3 – Linear Systems |
| **Week 4** | Unit 4 – Quadratic Functions and Equations |
| **Week 5** | Unit 4 – Quadratic Functions and Equations |
| **Week 6** | Unit 5 – Polynomials and Polynomial Functions |
| **Week 7** | Unit 5 – Polynomials and Polynomial Functions |
| **Week 8** | Unit 6 – Radical Functions and Rational Exponents |
| **Week 9** | Unit 6 – Radical Functions and Rational Exponents |
| **Week 10** | Unit 7 – Exponential and Logarithmic Functions |
| **Week 11** | Unit 7 – Exponential and Logarithmic Functions |
| **Week 12** | Unit 8 – Rational Functions |
| **Week 13** | Unit 9 – Probability and Statistics |
| **Week 14** | Unit 9 – Probability and Statistics |
| **Week 15** | Unit 10 – Periodic Functions and Trigonometry |
| **Week 16** | Unit 10 – Periodic Functions and Trigonometry |
| **Week 17** | Unit 11 – Matrices |
| **Week**  **18** | Finals |

\* The syllabus serves as a guide for both the teacher and student; however, during the term it may become necessary to make additions, deletions, or substitutions. Adequate notice will be provided to students of any necessary changes.

Dear Parent/Guardian,

I look forward to having a great year! I feel fortunate to have your son/daughter in my class this semester and hope that you will contact me should you have any concerns about the progress of your son/daughter or any aspect of the instruction. The easiest way to contact me is through e-mail. With your son/daughter, please read the attached policies, then sign and date this signature page and have your son/daughter return this form. Please provide a current email address and phone number (if different than the information in powerschool) at which I can contact you should the need arise. Please note if you do not have access to the internet at home so I can make other arrangements for getting documents to you.

Thank you,

Mrs. Rebecca Breland

My child and I have read and discussed the classroom syllabus.

Student Name (Print) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_\_\_\_\_

Student Signature\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_\_\_\_\_

Parent/Guardian Name (Print)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_\_\_\_\_

Parent/Guardian Signature\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_\_\_\_\_

Email address\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(w) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (h)

Phone number\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(w) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(h) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(c)

Comments:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_