Algebra I with Probability   Matt Diekemper
Syllabus Spring 2023   mdiekemper@jasper.k12.al.us
(205) 221-9277
Planning: 1:26–2:55
        by appointment

Overview:

- Algebra I with Probability is a newly designed course which builds upon algebraic concepts studied in the middle grades. It provides students with the necessary knowledge of algebra and probability for use in everyday life and in the subsequent study of mathematics. Algebra I with Probability builds essential concepts necessary for students to meet their postsecondary goals (whether they pursue additional study or enter the workforce), to function as effective citizens, and to recognize the wonder, joy, and beauty of mathematics. Algebra is important and useful in most careers. It is one of the most common and malleable types of mathematics, because it is valuable in a range of activities from ordinary decision-making to advanced training in scientific and technological fields. The ability to understand and apply algebraic thinking is a crucial steppingstone on a successful journey in life.

Materials:

- **Pencils (NO PENS)**
- **CHARGED LAPTOP*****
- Scientific calculator
- five-subject notebook *or* three-ring binder with loose-leaf paper
- *Kleenex or Germ-X (this is solely for student use)*
- Graph paper (this is solely for student use)

***About Using Laptops at Home:

- If laptop/internet/etc. does not work at home, students **MUST** save the material before class is over as a picture/file/whatever. I post the assignments before class is over to eliminate this issue. It is also highly encouraged for the students to speak with me if they have any technology issues that may cause them to not complete any assigned online work.

Tutoring:

- If you need any extra assistance in my class, I am available during Viking Block to offer extra help. If more help is needed or Viking Block does not work with your class schedule, we can discuss another option, either with me or another teacher that is offering tutoring.

Grading Policy:

- Grades are calculated using the points system. At the end of a grading period, the nine weeks grade is determined by dividing points earned by the total points possible. Jasper City Schools has a 70% test and 30% homework policy. That means that the points from test grades count for 70% of the overall grade and that the points from homework grades count for 30% of the overall grade. There will be regular tests, quizzes, and homework assignments given, as well as a few projects throughout the semester.

   **_ALL_ tests will be comprehensive

Grading Scale:

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

Scheduled Units to Cover
- Unit 1 – Algebra Basics
- Unit 2 – Multistep Equations
- Unit 3 – Relations and Functions
- Unit 4 – Linear Equations
- Unit 5 – Systems of Equations and Inequalities
- Unit 6 – Exponents and Exponential Functions
- Unit 7 – Polynomials and Factoring
- Unit 8 – Quadratic Equations
- Unit 9 – Linear, Quadratic, Exponential Functions
- Unit 10 – Radical Expressions and Equations
- Unit 11 – Rational Expressions and Equations
- Unit 12 – Statistics

Missed Assignments/Absences:
- As stated in the handbook, only assignments missed because of an excused absence may be completed for credit. It is the student's responsibility to remember to complete the assignment and/or schedule a time with me to make up a missed test or quiz. I WILL NOT REMIND STUDENTS OF THIS. The student has *two days* to complete the missed assignment to receive credit. Any assignment, quiz, or test that has not been made up will receive a grade of zero. Make up quizzes and tests must be scheduled in advance and may be taken at the agreed upon time.

Classroom Expectations:
- Every student should be prepared for class before walking into the classroom. This includes having all necessary materials and completed assignments. Be respectful to others and of their property. **No student is to use his/her cell phone during class.** Inappropriate behavior will warrant contact with the student's parent. If the behavior problem continues, a discipline referral will be sent to the office. Student participation is expected and required.

Contacting Me:
If there is ever a need to contact me, please feel free to email me. I am happy to discuss any concerns you may have.

Please fill out and turn in this Syllabus Understanding form to Mr. Diekemper by **Friday, January 13th.**

By signing below, I confirm that I have read the course guidelines for Algebra 1 with Probability. I am aware of the requirements and expectations of this course. I understand that I can contact Mrs. Lambert if I have any questions or concerns.

- I understand that I am required to complete all assignments and assessments and have one week to complete any make-up work before receiving a permanent 0.
- I understand that I must notify Mr. Diekemper of any difficulties in accessing or understanding my work immediately.
- I also understand that I can request help through a variety of platforms (Schoology messaging, email, in-person, classroom phone) during normal school hours

Student Name: _____

Student Signature: _____

Date: _____

Parent Signature: _____

Date: _____

Parent Phone Number: _____

Parent Email: _____