

Algebra 2 Syllabus 2015 – 2016

Instructor: Mrs. Jen Nesler

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School Phone #: (540) 289 – 3100

Textbook: Glencoe Algebra 2 (VA Edition)

Course Description: This course is designed to build on algebraic and geometric concepts. It develops advanced algebra skills such as systems of equations, advanced polynomials, imaginary and complex numbers, quadratics, and concepts and includes the study of trigonometric functions. The content of this course are important for students' success on both the ACT and college mathematics entrance exams.

Course Outline and SOLs:

Chapter 1 (AII.4a) – Solving Equations and Inequalities

Chapter 2 (AII.6, AII.9) – Linear Relation and Functions

Chapter 3 (AII.5) – Systems of Equations and Inequalities

Chapter 5 (AII.1, AII.3, AII.4) – Polynomials

Chapter 6 (AII.6, AII.8) – Quadratic Function and Inequalities

Chapter 7 (AII.6, AII.7) – Polynomial Functions

Chapter 9 (AII.1, AII.4, AII.6, AII.7, AII.10) – Rational Expressions and Equations

Chapter 10 (AII.6, AII.7) – Exponential and Logarithmic Relations

Chapter 11 (AII.2) – Sequences and Series

Chapter 12 (AII.11, AII.12) - Statistics

Materials:

- ✓ 3-Ring Binder with loose leaf paper – Each student will be required to organize all material from class and finished homework in this binder.
- ✓ 4 Notebook Dividers – Each student will place 4 dividers in their binders labeled: **Warm Up, Class Notes, Homework, Tests/Quizzes**. The student is responsible for placing the correct material in the correct section.
- ✓ **Pencil ONLY!** – All work needs to be completed in pencil only! **I will not grade assignments completed in pen.** (This includes quizzes, tests, projects, and graded assignments)
- ✓ Calculator - We have a classroom set of Casio CFX-9850GC Plus graphing calculators to be used during class. It is suggested, **NOT required**, students buy their own calculator for work completed outside of class. All work completed in this class may be done by hand or using a scientific calculator.
- ✓ Highlighter – May be helpful when taking notes!

Class Rules and Expectations:

- ✓ Classroom Rules
 - ★ Stay On Task – Work on proper assignments.
 - ★ Be Respectful – Be quiet and pay attention so you and others can learn.
 - ★ Be Ready to Learn – Have all material and assignments ready.
 - ★ Electronics/Cell Phones Only Allowed With Given Permission

- ✓ Attendance: If a student is absent from class it is their responsibility to find out what they missed. **All assignments due the day the student is absent will be due the day they return to school.** If a student is absent on the day of a test/quiz, he or she may either take the test/quiz the day he or she returns or may schedule a time with me before or after school. The assignment **must be made up within 5 days of the absence** or points will be taken off for each day after.
- ✓ Late Work – For each class day the assignment is late (days this class meets), a letter grade will be taken off until the assignment is turned in. All students should complete **ALL** work on time.
- ✓ Tardy Policy: Follows the school wide policy. Students are to be in class when the bell rings.
- ✓ Bullying will **NOT** be tolerated in this classroom. See student handbook for consequences.

Grading:

I grade on a point scale only. This means students will earn a certain amount of points for each assignment they complete. Students should keep all graded work for proof they completed the assignment. Students can determine their grade by adding up their total number of points and dividing by the total possible points. Extra credit will be given throughout the year.

Grading Scale: A: 100% – 90 B: 89%– 80 C: 79% – 70
 D: 69% – 60 F: 59% and Below

Homework Policy – Homework will be assigned daily. Students are responsible for completing all homework assignments. I will check each day for completeness unless otherwise stated. To receive full credit on homework, **all problems must be attempted and work must be shown for each problem.** Part of your homework grade is keeping a neat and organized notebook. There will be notebook checks throughout the year.

Homework assignments and upcoming Test/Quiz/Projects can be found at <http://jnesler.weebly.com>

Tests/Quizzes/Projects – Expect a quiz each week on the material covered. A unit test will be given after completing each chapter in the textbook. Projects will be given throughout the year when appropriate.

Honor Code – Students are expected to abide by the school’s honor code. Failure to do so will result in disciplinary action.

Homework Pass – Each student will be given 2 ‘Free Homework’ passes each 9-weeks. This DOES NOT excuse you from doing the homework, it just prevents the student from losing credit on this assignment. The assignment MUST be turned in within 2 school days. After that, I will NOT accept the pass. Students are responsible for their OWN passes. I will not replace lost passes! Passes not used during the 9-weeks can be turned in for extra credit.

Extra Help:

Please feel free to contact me at school at 289-3100 or email me at jnesler@rockingham.k12.va.us. If I am unavailable, I will return your call. Math Lab will be available every morning 7:45 – 8:05 and after school on Tuesday – Thursday 3:05 – 3:25 for help. I am also available before school and after school to provide addition help or for making up missed work. Please make prior arrangements with me to make sure I am available to meet with you. Please make sure your child takes advantage of this opportunity. Daily assignments and all grades will be posted on PowerSchool. I will do my best to have PowerSchool updated by Fridays at 3pm.

To the Parent/Guardian:

Please read and discuss this material with your son/daughter. It is very important to me, as the instructor, that you and your child understand the expectations and requirements of this course. If you have any questions, concerns, or would like to set up a conference please feel free to contact me via email or call me at Spotswood. I appreciate your support and look forward to a very successful year!

Sincerely,
Jen Nesler

Students and Guardians, please sign to indicate that you have read the syllabus and understand the expectations and requirements for this class.

Student's Name Printed _____

Student's Signature _____

Date _____

Guardian's Signature _____

Date _____

Guardians, when I do need to contact you, what would be the best way/time to contact you?

_____ Phone _____

_____ Email _____

*****PLEASE SIGN AND RETURN THIS PAGE BY AUGUST 28, 2015*****