**Algebra 2 Course Information, SEHS 2018-2019**

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Text: Core Connections Algebra 2 Website: [http://blogs.4j.lane.edu/nicholson\_su/](http://blogs.4j.lane.edu/nicholson_su/%22%20%5Ct%20%22_blank)

Algebra 2 is a two trimester course which covers equations, graphs and situations involving a variety of functions including linear, quadratic, exponential, rational, radical, inverse, logarithmic and trigonometric functions. We will look at arithmetic and geometric sequences and work with Statistics. The course aligns with the Common Core Standards and has a problem solving focus to promote a deeper understanding of the mathematics. Students will have an opportunity to collaborate on investigations and are encouraged to share ideas and learn from each other.

**Materials:** Students will need pencils, erasers, graph paper, a scientific calculator, and a designated math spiral or composition book for notes. A graphing calculator is recommended, but not required for this course. (We use a TI 83 or TI 84 in class and will be provided for activities when needed.)

**Classwork and Homework**: Each day starts with a warm up designed to review weak skills, reinforce current topics, prepare for new topics, review for that night’s homework or an upcoming quiz or test. If a student misses class, they absolutely should get online and do the missed warm up! Questions on the previous night’s homework are usually taken next, then collected on random days for scoring. Students can expect full credit on homework if they have given the homework their best effort before they come to class. Every problem must be attempted! If we don’t have a chance to go over it in class, worked out solutions will be posted to the website as per student request. Classwork is either an investigation or concept practice done in teams, pairs or individually. All classwork for the week is turned in on Fridays with the week’s warm ups.

**Late work:** Late homework or classwork is not penalized if it follows an excused absence and is turned in asap. Very late work (more than a day) or work missed due to other reasons will likely not be accepted, or may be accepted for reduced credit. Come talk to me about the circumstance.

**Attendance and Make Up Work:** Prompt and regular attendance is expected. The school policy about reduced course credit will be followed for excessive absences. Many of the group activities are too difficult to duplicate on your own. Students are expected to find out what they missed and take care of it quickly. Warm ups, lessons and homework are posted to the website daily. There are extra copies of worksheet assignments in a basket in the classroom. Missed assessment opportunities must be dealt with immediately upon return and are the responsibility of the student to set a make up appointment. Once an assessment has been returned to the class, the opportunity for make up is lost. For a known planned absence, students should arrange to test before they leave.

**Assessments:** There will be a variety of assessments given. Most will be individual, some in pairs and some will require group collaboration. There will be a short individual skill quiz given once a week over 2 to 3 specific skills students should have mastered. Practice is given ahead of time on homework and warm ups. There will be a test at the end of each chapter, with some questions from previous chapters included. The final exam is cumulative.

**Grading:** Classwork and homework will make up roughly 25% of the overall grade, leaving 75% of the grade based on assessments. I will try to update Synergy every 2-3 weeks, but at least at the end of each chapter. (A: 90 – 100%, B: 80 – 89%, C: 70 – 79%, D: 60 – 69%, F: Below 60%)

**Help and Accommodations:** I am usually available for help after school. Give me a heads up in case I have a meeting and can’t be there. Appropriate modifications will be made for identified special needs. Come talk to me if you have concerns or there is something specific I should know about you!