

STREAMWOOD HIGH SCHOOL
COURSE SYLLABUS
Algebra 3-4 Regular/Honors/Support 2014-2015

INSTRUCTOR: Mr. Pascolini
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FREE PERIODS: 4th, 6th, and 7th

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TEXTBOOK AND MATERIALS

Algebra 2; Bellman, Bragg and Handlin; Pearson, Prentice Hall; 2011

- **Spiral Notebook**
 - **Students will be expected to have their designated Math Spiral with them every day that they are in class. This will be used for notes, in class work, etc. Spirals will be checked periodically to monitor student understanding**
- **Writing Utensil (pencil preferred)**
- Scientific calculator (Graphing calculator is strongly recommended)
- Pocket folder (to hold handouts and worksheets)

COURSE DESCRIPTION

Algebra 3-4 is a full year course required for graduation. The goal is to integrate the mathematical knowledge from the previous classes to provide a solid basis for future math classes. Topics covered will include in-depth explorations of Polynomial and Rational Relationships, Trigonometry, Functions, and Statistical Analysis.

DOMAINS OF STUDY

- The Complex Number System
- Reasoning with Equations and Inequalities
- Interpreting Functions
- Seeing Structure in Expressions
- Arithmetic with Polynomials and Rational Expressions
- Creating Equations
- Building Functions
- Linear, Quadratic, and Exponential Models
- Trigonometric Functions
- Making Inferences and Justifying Conclusions
- Using Probability to Make Decisions

INSTRUCTIONAL METHODS

- Lecture, demonstration, class discussion and note taking
- Hands-on applications (use of the TI-NSpire Graphing Calculator)
- Group work and activities
- Board work and worksheets
- Possible computer activities

ASSESSMENT AND GRADING

Students will be asked to show evidence of learning through homework, projects, writing assignments, quizzes, and tests. In some instances, students will be asked to re-do work and resubmit it. All graded work will be marked in the following fashion:

Number Grade	Letter Grade	What it means
4	A	Tasks or the target of instruction allows students to apply their knowledge and skills to new or related situations and scenarios. A mark of 4 indicates not only evidence of application and analysis but also includes synthesis and evaluation.
3	B	Tasks or the target of instruction consists of complex knowledge, skills, application, and analysis.
2	C	Tasks are basic recall and simple skills which include knowledge and comprehension.
1	D	There is some evidence of emerging simple skills, there are gaps in knowledge and unreliable comprehension skills are seen.
0	E	There is no evidence of learning including missing work and incomplete work.

Semester Coursework

Summative Assessments } *This will be 80% of the semester grade*
Formative Assessments }

Semester Exam *This will be 20% of the semester grade*

Summative Assessments may include, but are not restricted to Unit/Topic Tests, Projects, Presentations.

Formative Assessments may include, but are not restricted to Assignments, Quizzes, Projects, Entrance and Exit Slips.

Formative and summative assessments will be given on a regular basis. If an honest effort is made on practice and the formative assessments, logic dictates that students will succeed on the summative assessments. We will typically review the previous day's work at the beginning of class before beginning the next lesson or activity. On occasion, student work will be collected to be graded.

STUDENTS MUST COMPLETE ALL SUMMATIVE ASSESSMENTS EACH SEMESTER IN ORDER TO RECEIVE A GRADE.

Students that do not complete all summative assessments will be assigned an “incomplete” for the semester. Students will have two weeks to complete any missing assessments. After this time, if the missing assessments are not completed, the incomplete will revert to a failing grade.

If a student wishes to retake a summative assessment, that student must show completion of all formative assessments related to that summative assessment prior to the retake. The student must also meet with the teacher prior to a retake in order to review and discuss the original summative assessment, as well as submit and review any formative assessments completed as preparation for the retake.

ELECTRONIC DEVICES

Use of cell phones during class is contrary to school rules and is not allowed. This includes calling, texting, using the calculator feature, etc. Cell phones need to be on silent and stowed away in bags/backpacks. If a student uses a cell phone in class, a Dean’s Assistant will be called to the classroom to remove the cell phone, per school rules. MP3 players/ear buds may be used during non-instructional time only when I have granted permission. At this time, if a student uses a cell phone as a music playing device then a student may only use it for music. Failure to comply with this rule will also result in a Deans’ Assistant being called for an electronic device infraction. SHS is **not responsible** for lost or stolen electronic devices.

ACADEMIC INTEGRITY AND DISHONESTY

Academic Dishonesty refers to cheating, copying, plagiarizing, or otherwise representing the work of others as one’s own through verbal, written, graphic, electronic, or other means. Students determined to have been academically dishonest are subject to disciplinary action. Consequences will depend on the severity of the offense, the number of offenses, the impact on other students and teachers, and/or the curriculum. Academic dishonesty undermines the learning process and will not be condoned.

ATTENDANCE

Regular attendance and being on time to class are expected for all classes. Absence from school is the greatest single cause of poor achievement in school. Successful students are seldom absent or tardy. The High School Attendance Program will be followed as outlined in your student handbook.

PARTICIPATION

Students will be expected to participate in the following ways:

- Pay attention to class conversation and contribute at least once a day
- Keep accurate notes and respond to journal prompts in spiral notebooks
- Have homework completed on time, ready to discuss questions or answers
- Actively seek help when confused
- Hold each other accountable for learning class material
- Play a role in group or partner activities

CLASSROOM BEHAVIOR EXPECTATIONS

It is our goal to provide each student with an environment that is conducive to learning. Rules are necessary to maintain this environment. Students in my class are expected to follow the rules stated in the Streamwood High School Handbook and meet the expectations listed below.

We are SHS:

- We are safe
 - All students must wear their IDs.
- We hold ourselves accountable
 - All students should come to class time.
 - Students need to bring their book, notebook, calculator, pencil and assignments.
 - Do your homework **on time** and get help (from me or your peer) when you have questions. Everyone is expected to attempt every problem.
 - **Ask questions!**
 - Use the web!
 - If time is provided to work on assignments students will use that time to work on Algebra and not assignments for other classes.
- We show respect:
 - Be respectful of self and others.
 - Have a positive attitude about learning 😊
 - Help your peers (and yourself) by **working together**.
 - Electronic Devices are not to be seen or heard once you enter the classroom.
 - Do not bring food or drink to class, unless otherwise specified.

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