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**SYLLABUS**

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**Course Title:** Algebra II - New Work for Credit

**Course Number:** SS-018

**Total Hours:** 120 Hrs

**Course Schedule:** Monday thru Thursdays 8:00 am to 3:10 pm

**Classroom Requirements:** N/A

**Program:** Kids and Teens Summer High School

**Date Submitted:** 05.17.2024

**Date Updated:** 05.17.2024

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**Instructor Name:** TBD

**BCC Email Address:** kidsandteens@bergen.edu

**Instructor Contact Telephone Number:** 201-879-5809

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**Course Description:**

This course is for the student who wants an extensive and comprehensive course of Algebra 2 topics. Students will be expected to develop an in-depth understanding of the topics including the real number system, equations and inequalities, functions and graphs, systems of equations and inequalities, polynomials, rational expressions, quadratic functions, polynomial functions, exponential, log functions, and an introduction to trigonometry. Lessons will contain a variety of experiences in order to address the range of learning styles.

**Required Course Text:** Big Ideas Algebra 2 - Larson/Boswell

**Required Course Materials:** Notebook, pen, pencils

**Instructional Methods:** In Person Lecture (Paramus)

**Student Learning Objectives:**

The students will be able to understand and work with the following topics:

1. Parent Functions And Transformations

2. Modeling With Functions
3. Multivariable Systems
4. Quadratics
5. Functions
6. Polynomials
7. Rational Functions
8. Radicals
9. Trigonometry
10. Sequences & Series
11. Exponential Functions
12. Logarithmic Functions

**Course Requirements:** Placement from Algebra I or Geometry

**Grade is determined by:**

- Participation and Classwork **15%**
- Quizzes **25%**
- Tests **40%**
- Midterm and Final **20% (10% each)**

**Additional Notes:**

- Participation will include such factors as attendance, punctuality to class, student preparation, class notes, cooperative attitude and contribution to the class' learning environment, and participation in class activities.
- Assignments will be made daily. When available, extra class time will be used to work on math assignments.
- The final exam is comprehensive and is equivalent to one test score.

**Each assignment should be:**

- Completed and ready to hand in at the beginning of class
- Done in pencil
- Graded in PEN
- Neat and well organized
- An example of the student's understanding of the assignment by showing ALL WORK!!

**Grading Scale:**

- A = 90% – 100%
- B = 80% – 90%
- C = 70% – 80%

- D = 60% – 70%
- F = < 60%

**Decorum:** To ensure a positive and enriching experience for everyone, we request that children adhere to the following guidelines:

- **Respectful Behavior:** Treat fellow participants, instructors, and staff with kindness and respect. Bullying, teasing, or disrespectful language and behavior will not be tolerated.
- **Active Listening:** Pay attention during instructions, activities, and discussions. Raise your hand if you have a question or wish to contribute to the conversation.
- **Cooperation and Collaboration:** Engage positively in group activities and discussions. Work collaboratively with peers, sharing ideas and responsibilities.
- **Safe Environment:** Maintain a safe space by following safety guidelines provided by instructors. Refrain from behaviors that might endanger yourself or others.
- **Use of Materials:** Respect program materials and equipment. Use them responsibly and as instructed by the facilitators.
- **Attendance and Punctuality:** Attend sessions regularly and arrive on time. Notify instructors or program coordinators in case of unavoidable absences or delays.
- **Communication:** Communicate openly and respectfully. Express thoughts and feelings appropriately while considering the feelings of others.

***The use of cell phones is not permitted in class. If it is imperative for your cell phone to remain on, the audible ringer must be turned off.***

#### **Academic Dishonesty (Quoted from BCC Handbook):**

Bergen Community College is committed to academic integrity-the honest, fair and continuing pursuit of knowledge, free from fraud or deception. Students are responsible for their own work. Faculty and academic support services staff will take appropriate measures to discourage academic dishonesty. The College recognizes the following general categories of violation of academic integrity whenever a student does one or more of the following: uses unauthorized assistance in any academic work, copies from another student's exam, gives unauthorized assistance to another student, fabricates data in support of an academic assignment, inappropriately or unethically uses technological means to gain academic advantage, commits plagiarism.

#### **Attendance Policy:**

All students are expected to attend punctually every scheduled meeting of each course in which they are registered. Attendance and lateness policies and sanctions are to be determined by the instructor for each section of each course. These will be established in writing on the individual course outline. Attendance will be kept by the instructor for administrative and counseling purposes. Instructors must include a specific policy regarding the deduction of points or grading penalties for attendance and lateness if applicable.