



BARNEGAT TOWNSHIP SCHOOL DISTRICT

Russell O. Brackman Middle School Pre-Algebra Syllabus

Course Information

Pre-Algebra

Full Year

Class Location: Room # S226

Teacher Information

Name(s): Arianna Colonnello

Phone: 609-698-5880

Email: acolonello@barnegatschools.com

Course Description:

In Grade 8, instructional time should focus on three critical areas: (1) formulating and reasoning about expressions and equations, including modeling an association in bivariate data with a linear equation, and solving linear equations and systems of linear equations; (2) grasping the concept of a function and using functions to describe quantitative relationships; (3) analyzing two- and three-dimensional space and figures using distance, angle, similarity, and congruence, and understanding and applying the Pythagorean Theorem.

Course Competencies/ Learning Objectives

Students who successfully complete name of course will be competent in the following areas:

- Students will be able to Approximate Real Numbers; Perform Real Number Operations
- Students will be able to Use Radicals and Integer Exponents; connect proportional relationships and lines; solve systems of linear equations
- Students will be able to define, evaluate and compare functions; model relationships
- Students will be able to understand congruence and similarity; apply the pythagorean theorem; apply volume formulas
- Students will be able to analyze bivariate data

Course Texts / Online Resources

Google Classroom, Ready Mathematics, iReady, LinkIt!

Required Materials

- 3-Ring Binder
- Loose leaf paper
- A box of #2 pencils
- Extra eraser or pencil cap erasers
- Folder with pockets
- Pencil box/case
- TI 84 Plus CE Calculator suggested
- Charged Chromebook with Charger

Attendance Policy

Regular and prompt class attendance is an essential part of the educational experience. The Barnegat Township School District expects students to be responsible and exercise good judgment regarding attendance and absences. Students accept full responsibility for ensuring that they complete any/all work missed due to absences.

When remote, students' daily attendance is monitored through their active participation in their Google Classroom. This will be accomplished through a "Question of the Day" given by students Heath/PE Teacher. The question will be posted within 20 minutes after each building's start time in the morning, and answered by students prior to the close of the student's day (dismissal time).

Course Topic Outline

Please find a list of the units for this course:

Content Area: Mathematics	
Course Title: Pre-Algebra	Grade Level: 8
Unit 1: Exponents, Expressions and Equations	50 Days
Unit 2: The Number System	30 Days
Unit 3: Functions	30 Days
Unit 4: Geometry	50 Days
Unit 5: Bivariate data and data displays	20 Days

Student Grades

The grading system for this course is based on the category weights listed in each department's policy. For this course, those weights are listed below. Each marking period, students will have a minimum of three (3) Major Assessments and five (7) Minor Assessments (explained below). Homework is graded for completion, and Class Participation is assessed using the district rubric.

Major Assessments	-	50% of marking period grade
Minor Assessments	-	30% of marking period grade
Class Participation	-	20% of marking period grade

Class Participation Rubric

<p>Meets or Exceeds Expectations 100 - 93</p>	<p>The student:</p> <ul style="list-style-type: none"> ● ensures that the class is a community of respect; ● consistently arrives prepared for class; ● voluntarily participates on a consistent basis; ● consistently remains focused and on task; ● initiates and sustains discussion; ● evaluates and responds to peer points; ● consistently demonstrates leadership in collaborative activities.
<p>Approaches Expectations 92 - 85</p>	<p>The student:</p> <ul style="list-style-type: none"> ● recognizes the class as a community of respect; ● usually arrives prepared for class; ● willingly participates on a regular basis; ● remains focused and on-task on a regular basis; ● contributes to discussion on a regular basis; ● listens to and responds to peer points; ● contributes to collaborative activities on a consistent basis.
<p>Does Not Meet Expectations 84 - 70</p>	<p>The student:</p> <ul style="list-style-type: none"> ● fails to recognize the class as a community of respect; ● frequently arrives unprepared for class; ● rarely participates, even when called upon; ● lacks focus and rarely remains on task; ● rarely engages in discussion; ● reacts to peer points rather than responds; ● rarely engages in collaborative activities.

- Examples of Major Assessments include items that are summative in nature, such as: tests, projects, formal presentations, reports, or any other type of assessment used to capture evidence of learning at the culmination of a unit of study.
- Examples of Minor Assessments include items that are formative in nature, such as: quizzes, exit tickets, , collaborative learning, in class worksheets, or any other type of assessment that is diagnostic in nature and used to guide instruction and provide ongoing feedback to students.
- Note: grades for individual assignments are entered into Genesis for the marking period in which the assignment is assigned and collected, and not a subsequent marking period.
- Extra Credit will only be available for assignments that have been approved ahead of time by the teacher and department supervisor.
- In this course, it is expected that students will submit only their best work, and teachers reserve the right not to accept work that is substantially below what a student is capable of producing.

Plagiarism, Cheating, and Academic Integrity

The Barnegat Township School District places a strong emphasis on students' integrity, and the district will not tolerate instances of academic dishonesty. Plagiarism is the practice of copying words, sentences, images, or ideas for use in written or oral assessments without giving proper credit to the source. Cheating is defined as the giving or receiving of illegal help on anything that has been determined by the teacher to be an individual effort. Both are considered serious offenses and are subject to consequences described in the Student Handbook and Board Policy #5701.

Honor Code

The purpose of this Honor Code is to communicate the meaning and importance of academic integrity to all members of the school community and to articulate and support the interest of the community in maintaining the highest standards of conduct in student learning. Russell O. Brackman Middle School embodies a spirit of mutual trust and intellectual honesty that is central to the very nature of learning, and represents the highest possible expression of shared values among the members of the school community. The core values underlying and reflected in the Honor Code are:

Academic honesty is demonstrated by students when the ideas and the writing of others are properly cited; students submit their own work for tests and assignments without unauthorized assistance; students do not provide unauthorized assistance to others; and students report their research or accomplishments accurately.

Respect for others and the learning process to demonstrate academic honesty.

Trust in others to act with academic honesty as a positive community-building force in the school, Responsibility is recognized by all to demonstrate their best effort to prepare and complete academic tasks.

Fairness and equity are demonstrated so that every student can experience an academic environment that is free from the injustices caused by any form of intellectual dishonesty.

Integrity of all members of the school community as demonstrated by a commitment to academic honesty and support of our quest for authentic learning.

This Honor Code summarizes the Honor Policy, which defines the expected standards of conduct in academic affairs. The student body and faculty at Russell O. Brackman Middle School will not tolerate any violation of the Honor Code.

Any violation of the Honor Code will result in Administrative Consequences and be detrimental to student grade.

Classroom Expectations

1. All school rules and policies apply to this class.
2. The teacher and students will work together to create a respectful, safe classroom environment.
3. Students will come to class on time, prepared, and ready to learn.
4. Students will complete all assignments, including homework, by all deadlines. Make-up work is only accepted after an excused absence. It is your responsibility to see me for your work before or after school.
5. Students will actively participation in class discussions and other activities in order to enhance their learning experiences.
6. The use of cell phones, iPods, headphones, or any other personal electronic devices are prohibited in class at any time.

Extra Help and Support

Occasionally, students will require additional help to master the content and skills in this course. If you need additional help, there are a variety of options for you, including:

- Before/after school help sessions with your teacher. Please see me for office hours.
- Peer tutoring from NHS / NJHS students
- Free online tutoring with Brainfuse (available from the Barnegat Library website)

As your teacher, I am committed to your success. If you need help, please ask!

I have read and understand the syllabus for Pre-Algebra.

Student Signature

Print Name

Parent/Guardian Signature

Print Name