

Course Information Teacher Information Algebra 1 Name(s): Mr. Kevin Liston & Mr. Brian Fitzpatrick Full Year Phone: (609)660-7510 Class Location: Room C206 Email: kliston@barnegatschools.com

bfitzpatrick@barnegatschools.com
Teacher Website:
barnegatschools.com

Course Texts / Online Resources

In Algebra 1, we will be using the textbook "Big Ideas", which can be accessed at home online (see login information below).

**Block
3A**

Google Classroom:
ch7euiq [Click Here for Invite Link](#)

Online Textbook/Homework:
www.bigideasmath.com
Access Code:
22GZ-5XRA-NEYP

**GUIDED NOTES
TEXTBOOK LINK**

book/Homework:
smath.com
:
KGS5

TES TEXTBOOK

**Block
1B
Block
1B**

Google Classroom:
42fs3cc [Click Here for Invite Link](#)

Google Classroom:
42fs3cc [Click Here for Invite Link](#)

Block
A

Google Classroom:
vajrj6 [Click Here for](#)

Code: GDJR-XMPX-ZNRB

Online Textbook/Homework:

www.bigideasmath.com Access

Code: GDJR-XMPX-ZNRB

Online Textbook/Homework:

www.bigideasmath.com Access

[GUIDED NOTES TEXTBOOK LINK](#)

[GUIDED NOTES TEXTBOOK LINK](#)

Required Materials -Fully Charged Chromebook & Charger -Access to Google Classroom (see above) and Online Textbook (see above)
-Calculator (Use desmos.com or the Texas Instruments Calculator APP) -Binder and/or Folder -Notebook -Writing Utensil (Pencil Preferred)

-Ruler* ***It is highly recommended that you purchase your own ruler. Please see Mr. Liston if you are unable to acquire these items.**

Barnegat High
School Algebra 1 -
Syllabus

Course

Description:

Effective mathematics education provides students with a balanced instructional program. In such a program, students become proficient in basic computational skills and procedures, develop conceptual understandings, and become skilled at problem solving. Standards-based mathematics instruction starts with basic material and increases in scope and content as the years progress.

The curriculum is aligned to the NJSL for Mathematics. Activities outlined in this curriculum infuse the Standards for Mathematical Practice. In alignment to the content and practice standards, algebra students will extend their knowledge of mathematics as they learn to represent and compare complex numbers, polynomials, periodic models and inference making.

Students use functions to model real world applications and their knowledge of their properties to explain the world around them. They will summarize, represent and interpret data to make inferences and justify conclusions. Students will use numerical, graphical, and algebraic models to solve problems.

Course Competencies/ Learning Objectives Students who successfully complete Algebra 1 will be competent in the following areas:

- Students will be able to solve multi-step equations and inequalities.
- Students will be able to solve and graph linear equations and inequalities.
- Students will be able to identify, evaluate and find the domain and range of a function.
- Students will be able to write arithmetic sequences and apply exponential properties.
- Students will be able to identify exponential growth and decay, solve and graph exponential functions.
- Students will be able to classify, add, subtract and multiply polynomials.
- Students will be able to solve and graph quadratic equations.
- Students will be able to apply the pythagorean theorem.
- Students will be able to solve square root equations.

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).

Late Work Assignments missed due to absence, will be accepted three school days beyond the original due date.

**Course Topic
Outline**

Please find a list of the units for this course:

Content Area:
Math

Course Title: Algebra 1 Grade Level: 9

Unit 1: Equations & Inequalities 40 days (20 teaching days)

Unit 2: Functions: Domain, Range & Function Notation 16 days (8 teaching days)

Unit 3: Sequences & Exponents 22 days (11 teaching days)

Unit 4: Polynomials 28 days (14 teaching days)

Unit 5: Quadratics 32 days (16 teaching days)

Unit 6: Square Root Functions & The Pythagorean Theorem 6 days (3 teaching 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 seven (7) Minor Assessments (explained below). Course Participation is assessed twice (2x) per marking period using the district rubric.

Major Assessments - 50% of marking period grade

Minor Assessments - 30% of marking period grade

Course Participation - 20% of marking period grade

Please note: the above areas are used as the basis for 80% of your grade for the course; the Midterm and Final exam will constitute the remaining 20% of your grade.

- Examples of Major Assessments include items that are summative in nature, such as: tests, projects, research papers, prose-constructed response timed writings, formal presentations, reports, Socratic seminars, 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, reading comprehension checks, response journals, exit tickets, small-scale research activities, reading logs, 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 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.

- *Please speak to your teacher about the opportunity for earned Second Chances on certain Major Assessments.*

3

20 points

- Takes initiative in completing tasks in the online classroom. - Communicates needs to the teacher in an appropriate manner. - A role model for others in the online classroom. - Appropriately seeks support and/or assistance from the teacher.

15 Points

- Completes tasks in the online classroom. - Sometimes communicates needs to the teacher. - Frequently on-task, but may need some redirection from the teacher.

Course Participation Rubric

Academic Social Skills Readiness to Learn / Study Skills

Online Discussions Classwork 21st Century College and Career Readiness

20 points

- Produces notes and other materials that demonstrate effort and insight. - Is motivated and takes ownership of his/her learning. - Takes steps to better himself/herself through Google Meets, emailing, etc.

15 Points

- Often produces notes and other materials that demonstrate effort, but may also require direction. - Is mostly motivated and takes ownership of his/her learning. - Often takes steps to better himself/herself through Google Meets, emailing, etc.

20 points

- Consistently completes the assigned discussion questions and rarely misses a question, if at all. - Responses consistently reflect high levels of care and pride in work. - Replies and interacts with peers in a meaningful manner.

15 15 Points

Points - Frequently **Student frequently** completes the **demonstrates the** assigned **following:** discussion

- Responsible and questions, but contributes to our may have online missed a few.

community. - Responses
- Clearly and sometimes
appropriately reflect high
communicates levels of care
with the teacher and pride in
via email. work, but not
- Understands the always.
consequences of - Replies and
actions. interacts with
- Responsibly uses peers.
technology.

4

20 points

- Consistently
completes assigned tasks in a timely manner. - Actively participates
in classroom activities on a daily basis. - Contributes to class
discussions in a meaningful way (asking questions or adding to class discussion).

15 Points

- Usually completes
assigned classwork tasks. - Frequently
participates in classroom activities but sometimes requires re-direction. - Usually contributes
by responding, and/or asking questions.

20 points Student consistently shows the following:

- Responsible and
contributes to our online community. - Clearly and
appropriately communicates with the teacher via email. - Understands the
consequences of actions. - Responsibly uses
technology.

10 10 Points

10 Points

10 Points

Points - Rarely completes

- Produces notes
- Rarely
- Rarely completes tasks in the online
and other
completes the
assigned tasks and classroom.
materials that
assigned
does not produce - Does not
lack effort to
discussion
his/her best work. communicate
learn.
questions.
- Usually does not needs to the
- Unmotivated
- Responses do
participate in teacher.

and does not
not reflect
classroom activities - Frequently needs
take ownership
care and pride
and often requires re-direction from
of his/her
in work.
teacher re-direction the teacher.
learning.
- Little to no
- Usually does not - Does not take
replies and
contribute by appropriate
interactions
responding and/or steps to better
with peers.
asking questions. himself/herself.

10 Points Student rarely demonstrates the following:

- Responsible and contributes to our online community. - Clearly and
appropriately communicates with the teacher via email. - Understands the
consequences of actions. - Responsibly uses
technology.

***New Jersey Student Learning Standards for 21st Century Life & Careers / Career Ready Practices CRP1. Act as a responsible and contributing citizen and employee. CRP2. Apply appropriate academic and technical skills. CRP4. Communicate clearly and effectively and with reason. CRP5. Consider the environmental, social and economic impacts of decisions. CRP6. Demonstrate creativity and innovation. CRP7. Employ valid and reliable research strategies. CRP8. Utilize critical thinking to make sense of problems and persevere in solving them. CRP9. Model integrity, ethical leadership and effective management. CRP11. Use technology to enhance productivity. CRP12. Work productively in teams while using cultural global competence.**

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. 5

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. Barnegat High 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 Barnegat High 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 Rules **#1: RESPECT**

-YOURSELF & YOUR FUTURE -YOUR CLASSMATES & THEIR RIGHT TO LEARN -YOUR

SCHOOL'S PROPERTY & COMMUNITY **#2: FOLLOW**

-CLASS PROCEDURES -ALL DIRECTIONS -SCHOOL POLICIES & RULES **#3:**

RAISE

-YOUR HAND

*YOUR CONFIDENCE *YOUR EXPECTATIONS

6

Student Expectations

1. Students are expected to wear their masks in school. 2. Students are expected to come to class on time, prepared, and ready to learn. 3. Students are expected to complete all assignments, including homework, by all deadlines. Make-up work is only accepted after an excused absence. It

is your responsibility to see us for your work before or after school. 4. Students are expected to use their chromebooks & electronic devices for school work only. Cell phones, iPods, or any other personal electronic devices are prohibited unless specifically directed for use.

[Please Click Here for Mr. Liston & Mr. Fitzpatrick's Classroom Procedures Document](#)

Virtual Classroom Etiquette -ALL SCHOOL AND CLASSROOM RULES APPLY

- This is still a classroom, so appropriate classroom behavior is expected. - Be mindful of electronic communication, i.e. using all caps, no inside jokes, etc. - Student's cameras and microphones should be turned off during live-streams (Monday through Thursday) - It is up to each student to decide to have their camera on or not on Virtual Fridays, but it is encouraged.

Please stay muted until called upon. - Students may use a virtual background, but they must be school appropriate and cannot be changed once

class begins. - All students must stay muted unless called upon to speak. This will help to limit background noise. - When attending class virtually, participation with assignments or discussions is mandatory for attendance

credit. - It is the student's responsibility to check for missing assignments. - Students are prohibited from recording, taking pictures or screenshots 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:

- Scheduling a mutually convenient time for extra help with Mr. Liston or Mr. Fitzpatrick through Google Meet, In-Person, etc.
- Peer tutoring from NHS students
- Free online tutoring with Brainfuse (available from the Barnegat Library website)

As your teachers, We are committed to your success. If you need help, please ask!

I have read and understand the syllabus for Algebra

1.

Student Signature Print Name

Parent/Guardian Signature Print Name

