



## East Brunswick Magnet School

### Algebra II Honors

MRS. ZAJAC

**COURSE DESCRIPTION:** This course is designed to build on algebraic and geometric concepts. It develops advanced algebra skills such as systems of equations, advanced polynomials, imaginary and complex numbers, quadratics, and concepts and includes the study of trigonometric functions. The content of this course is important for students' success on both the ACT and the SAT college mathematics entrance exams.

#### **COURSE OUTLINE:**

- Unit 1: Functions
- Unit 2: Linear and Absolute Value Functions
- Unit 3: Quadratic Functions
- Unit 4: Polynomial Functions
- Unit 5: Rational Functions
- Unit 6: Radical Functions
- Unit 7: Exponential and Logarithmic Functions
- Unit 8: Statistics
- Unit 9: Trigonometry

#### **Grading Policy**

Assessments 80%	Tasks and Practices 20%
<ul style="list-style-type: none"><li>• There is no teacher assistance</li><li>• Questions include multiple levels of difficulty including enrichment</li><li>• Completed in classroom under supervision</li><li>• Questions have not been given to students before</li></ul>	<ul style="list-style-type: none"><li>• Classwork</li><li>• Homework</li><li>• Math practices check-ins</li><li>• Online software assignments</li></ul>

#### **Grading Assessments Policy**

- This is the grading system for the five-question quizzes:

Number of Problems Correct	Score	With Notes	Proficiency Level
0/5 (attempted)	10	10	Requiz
1/5	25	25	Requiz
2/5	50	50	Requiz
3/5	80	73	Proficient
4/5	90	83	Advanced
5/5	100	93	Mastered

## **Honors Level Reassessment Policy**

Reassessments will be permitted for non-passing grades. The maximum possible score for a reassessment will be an 80%.

Number of Problems Correct	Score
0/5 (attempted)	10
1/5	25
2/5	50
3/5	70
4/5 or 5/5	80

### **CLASS MATERIALS:**

- A dedicated notebook/binder or folder is suggested to organize notes, and a writing utensil is required to be brought to class each day.
- Chromebook to use for online assignments.
- Graphing Calculator TI 84 if you have your own since there is a limited number of calculators in the classroom.

### **CLASS POLICIES AND EXPECTATIONS:**

- Students must come to class on time and prepared.
- No cellphones will be permitted to be used in class except during special assignments.
- Parents will be notified in the event of abuse of the policy.
- Assignments must be completed in a timely manner and reflect the student's own work; academic honesty is expected (i.e., no copying, cheating, plagiarism).
- If for any reason the teacher believes that a student has broken academic integrity during an assessment (communicating with others, having electronic devices, etc), the teacher may request that a student retake a different but similar assessment at another time.
- In the event of an excused absence, it is the student's responsibility to get notes or assignments from a classmate or Google Classroom.

**CONTACT INFORMATION:** Feel free to email Mrs. Zajac at [zajacm@mcmsnj.net](mailto:zajacm@mcmsnj.net).

**EXTRA HELP:** Tutoring is available before and/or after school during Homework Club. Struggling students will be encouraged to attend, so they have a successful year!