

# 8<sup>th</sup> Grade Accelerated Math-Algebra Syllabus

Ms. Cade

## Learning Community Charter School 2017-2018

**Contact me:** Please contact me with any questions, concerns or to set up a meeting/call.

**Email:** [kcade@lccsnj.org](mailto:kcade@lccsnj.org)

**Website:** [http://www.lccsnj.org/directory/middle\\_school\\_math/ms\\_\\_cade](http://www.lccsnj.org/directory/middle_school_math/ms__cade)

**Welcome!** This year, students will be studying mathematics from the Connected Mathematics Program (CMP) materials. The curriculum is problem centered. This means that the students will investigate mathematical ideas within the context of a realistic problem, as opposed to looking only at numbers. Some problems involve real-world applications or unusual situations, while others are purely mathematical. A problem's context provides a vehicle for understanding and remembering of mathematical concepts. We are excited about this curriculum and its potential for helping students develop strong mathematical knowledge and skills. We are looking forward to a very successful year for all of our students!

### **Math Class Core Values:**

- Everyone can learn math to the highest levels.
- Mistakes are valuable.
- Math is about creativity and making sense.
- Questions are really important.
- Math class is about learning and not performing.
- Depth is more important than speed.
- Math is about connecting and communicating.

**Expectations:** When you are in this class, I expect you to be attentive and actively learning and participating. All school rules apply within this class and will have the same consequences. Personally, I love to keep in contact with parents/guardians. I have a "three check system". This means if I have to redirect a student three times during one class period, I will call home to talk to the parent/guardian to come up with a solution. I also hope to make many positive phone calls home as well for those exceeding expectations.

### **I expect**

- Active learning/Actively listening
- Respect for your teacher, yourself and classmates
- Positivity
- Accountability (work handed in on time, academic integrity, etc )
- Follow classroom procedures

**What will we learn?** ...We will further discuss the curriculum on curriculum night (September 14<sup>th</sup> 6:30 pm)

**Unit 1: Thinking With Mathematical Models:** Linear and Inverse Variation

**Unit 2: Looking for Pythagoras:** The Pythagorean Theorem

**Unit 3: Growing, Growing, Growing:** Exponential Functions

**Unit 4: Butterflies, Pinwheels and Wall paper: Symmetry and Transformations**

**Unit 5: Say it With Symbols: Making Sense of Symbols**

**Unit 6: It's in the System: Systems of Linear Equations and Inequalities**

**Unit 7: Frogs, Fleas and Painted Cubes: Quadratic Functions**

**Unit 8: Function Junction: The Families of Functions**

**Materials**

- Pencil
- Scientific calculator
- Folder
- Binder

- Tests . 25%
- Projects .. 25%
- Quizzes .. 20%
- Homework 15%
- Classwork..15%

**Grading**

**Class Procedure:**

- Enter silently
- Have homework on your desk
- Begin your Do Now
- Be ready to learn

**Absent?**

If you are absent, you are responsible for getting your work! Please visit the appropriate absent folder to get your missing assignments. All assignments must be made up within 2 days of the students return to school. Missed tests or quizzes must be made-up before school, after school or during lunch (unless otherwise indicated), and must be made up within 1 day of the students return to school.

**I understand Ms Cade's syllabus including: grading, absences, procedures, materials, contact information, expectations, core values and curriculum overview. (Sign and return)**

Student name (printed): \_\_\_\_\_

Student signature: \_\_\_\_\_

Date: \_\_\_\_\_

Parent/Guardian signature: \_\_\_\_\_ Date: \_\_\_\_\_

Parent/Guardian email address: \_\_\_\_\_

Parent/Guardian phone #: \_\_\_\_\_

Preferred contact method (Circle one): Email / Phone