

# 5th Grade Math

**Teacher's name:** Ellie O'Connor

**Urban Teachers Resident:** Brandon Pratta

**Grade Level:** 5<sup>th</sup> Grade

**Subjects:** Math

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**Mathematics:** In this course, we will emphasize critical thinking, discussion, class work, and problem solving to prepare students for sixth grade math and beyond!

**Math Overview:** This year we will be using a program called Eureka Math in 5<sup>th</sup> Grade. Information, as well as parent support (in both English and Spanish) can be found online using the following link: <https://greatminds.org/math/parents>

## **Eureka Modules**

Module 1: *Place Value and Decimal Fractions*

Module 2: *Multi-Digit Whole Number and Decimal Fraction Operations*

Module 3: *Addition and Subtraction of Fractions*

Module 4: *Multiplication and Division of Fractions and Decimal Fractions*

## **Example Concepts**

Place value from the billions to the thousandths, decimal operations, expanded form, standard form, word form, unit form, factors, multiples, exponents, approximation, estimation, multiplying and dividing by 10's, 100's & 1000s, order of operations, multiplying and dividing by 2 digits whole numbers

Mental strategies, multiplication and division standard algorithm, rounding and estimation, associative, commutative, and distributive properties, equivalent measures, unit conversions

Equivalent fractions, fractional units, using a number line, addition and subtraction with like and unlike fractions, fractional models, multi-step word problems

Fractional measurements, line plots, fractions as division, real world problems, finding the fraction of a set, multiplying whole numbers by fractions, evaluation of expressions, multiplication of fractions by

Module 5: *Addition and Multiplication with Volume and Area*

fractions, word problems, unit conversions, decimal fractions

Two and three dimensional figures, volume, area, customary and metric units, real world problems, attributes of two dimensional figures, properties of quadrilaterals, angle measurement and classification

Module 6: *Problem Solving with the Coordinate Plane*

First quadrant of the coordinate plane, number lines, ordered pairs, patterns, lines, distances between points,  $x$ - and  $y$ - axis, origin, plotting points, creating figures, lines of symmetry, line graphs

### **Quarter Grade Breakdown:**

Each Quarter's grade is broken down as:

- 60% Tests/ Quizzes/Projects
- 10% Homework
- 30% Class work

### **Homework:**

Homework will be given each weekday, Monday through Thursday in Math class. Students will copy down their homework assignments and place them in their homework folders, to return completed to school the next day. These worksheets will review and reinforce the content and skills covered in class. A reminder for homework is on the teacher's board at the beginning of each class, and it is the student's responsibility to copy down the assignment and to turn it in on time. In addition to homework worksheets, students will need to study for tests and quizzes.

### **Extra Credit Work:**

Extra credit work can be provided on an individual, as-needed basis. See your child's teacher if you would like to discuss the possibility for extra credit work for your child.

### **Make-up/Missing Work:**

Missing work turned in one day late will earn half credit. Students who are absent will have that many days as they were absent to complete any missing classwork assignments. For example, if a student is absent for two days, the work is due in two days after he/she returns to school.

**Coach Class:** *Miss O'Connor will be available after school every Thursday until 3:30. During the after hours club, students can complete homework, ask for assistance in math, or complete any missing work.*

### **Late Policy:**

Regular attendance in school is extremely important in fifth grade, and frequent or

unexcused absences or tardies will also impact a student's grade.

**Portfolios:**

Students will each maintain a portfolio of their work in the classroom. One piece of work from each class will go into this portfolio each quarter. Families are welcome to view this portfolio during classroom visits or conferences. Some projects will be completed just in math class, while others may be completed across content areas.

**Supplies:** The supplies listed on the 5th grade supply list are expected to be with the student on the first day of school and throughout the school year. It is expected that all students be prepared for class and bring necessary supplies to class daily. If supplies are broken or misplaced it is the responsibility of the student to replace them.

Each day, your student needs to have:

- A pencil case with two sharpened pencils, a red pen, and colored pencils/crayons
- A homework folder and agenda book
- Math notebook

**Classroom Rules, Student Behavior, and Consequences:**

The fifth grade teachers have a lot of material to cover to prepare your child for the PARCC tests in reading, math, and the MISA in science, as well as for middle school and beyond. We cannot waste any class time on inappropriate behaviors. Students are expected to behave in a mature, respectful manner.

- All students are expected to follow Hampstead Hill Academy's school-wide behavior expectations, which state that students are to be respectful, responsible, safe, and friendly and caring. The school wide consequences begin with a verbal warning. If a behavior continues or a new behavior occurs, the child will complete a Think Time. If the behavior continues further, the Think Time will need to be signed; otherwise, the paper will not be sent home. The next step is detention, and finally an office referral. In the case of a detention, a parent will be notified by phone, and the child will stay until 3:30 that day. In most cases, consequences will be assigned in this order. However, in some cases certain consequences may be skipped depending on the severity of the misbehavior. Consequences are enforced at the discretion of all of the fifth grade teachers, based on the misbehavior or violation of classroom and school rules and procedures.
- Classroom and individual behavior incentives will be in place throughout the school year to both encourage students to make appropriate behavior choices as well as to reward them for following the school's expectations.

**Field Trips:**

1. JA Biztown

2. Flag House

3. Other trips, to be announced