



**OAK LAWN-HOMETOWN MIDDLE SCHOOL**  
School District 123



**6th Grade Math Syllabus**

Mrs. Ekonomou, Mr. Elitzer, Mr. Baird, Mrs. Papamihail  
**2022-2023**

**1. District 123 Vision:**

“Create A Dream, Make It A Reality”

We are a dynamic and supportive environment that ignites lifelong learners who embrace diversity and contribute positively to our community and global society.

**2. District 123 Mission:**

*Preparing today’s learner for tomorrow’s world*

The mission of Oak Lawn-Hometown School District 123, as a district striving for excellence, is to ensure that each student learns the skills, acquires the knowledge, and develops the behaviors and attitude necessary to succeed in the future as a caring, responsible, and productive citizen; this mission accomplished through a challenging instructional program that is consistent with state and local goals is provided by a caring and talented staff within a safe and healthy environment in partnership with the entire community.

**3. Course Description**

*What is the purpose of this course?*

The purpose of this course is to help students develop mathematical knowledge, understanding, and skills as well as an awareness of and an appreciation for the rich connections among mathematical concepts, both within mathematics and among other content areas.

*How will it relate to the District’s Strategic Plan?*

Our purpose connects to District 123’s strategic plan because Connected Mathematics Project (CMP) is a problem-centered curriculum promoting an inquiry-based teaching-learning classroom environment. Mathematical ideas are identified and embedded in a carefully sequenced set of tasks and explored in depth to allow students to develop rich mathematical understandings. The Common Core State Standards for Mathematics (CCSSM) and the Standards for Mathematical Practice emerge as students pursue solutions to problems. The curriculum helps students grow in their ability to reason effectively with information represented

in graphic, numeric, symbolic, and verbal forms and to move flexibly among these representations to produce fluency in both conceptual and procedural knowledge.

#### **4. Learning Outcomes or Big Ideas**

*Knowledge, skills, and behaviors to be obtained through the CCSS*

*By the end of this course, students will be able to...*

- Apply and extend previous understandings of arithmetic to algebraic expressions
- Understand ratio concepts and use ratio reasoning to solve problems
- Apply and extend previous understandings of multiplication and division to divide fraction by fractions.
- Solve real-world and mathematical problems involving area, surface area and volume
- Reason about and solve one-variable equations and inequalities.
- Represent and analyze quantitative relationships between dependent and independent variables
- Fluently divide multi-digit numbers using the standard algorithm
- Fluently add, subtract, multiply and divide multi-digit decimals using the standard algorithm for each operation
- Develop understanding of statistical variability
- Make sense of a real-world scenario by transferring and applying mathematical knowledge

#### **5. Daily Procedures**

Each day, students will enter the classroom and begin warm-up activity (posted problems, correcting HW). Students should be prepared to discuss the previous day's lesson objective and/or homework. Students should be actively engaged in the learning process by asking questions, contributing to group discussion, and writing down their notes and homework.

#### **6. Expectations of Student**

Students will need to work toward their potential, ask for clarification when necessary, utilize available resources, have necessary materials (see below), be honorable in their work and assessment completion, review homework expectations regularly, make-up absent work in a timely manner, take time to review notes and previous assignments, and create an environment where different learning styles are respected.

#### **7. Expectations of Teacher**

The teacher will help cultivate an environment where students respectfully consider each other's ideas regardless of their correctness. The teacher will be fair in his/her grading policies and timely in returning student materials. The teacher will also model the expectations set before his/her students and foster a love of learning and a passion for math.

#### **8. Assessment Criteria**

*Homework/Grading policy*

Homework will be assigned regularly. Students are expected to complete homework either on paper or through Google Classroom. It will be checked by the teacher regularly. Homework is a cumulative Skyward grade. It is vital for students to complete it for practice. If students do not

complete homework consistently, consequences may be issued. For students struggling with homework, Power Hour after school and/or STAR Math after school is highly recommended.

### *Formative and Summative Assessments*

There is a summative assessment at the conclusion of each unit of study. Each unit is broken down into Investigations, with a quiz after each investigation. Students can expect around 3-4 quizzes and one summative assessment with each unit.

### *Policy on Assessment Retakes*

Students are able to request a retake for any graded task in Skyward. Before the retake, students must:

- Prepare. Possibilities include correcting mistakes on the original assessment, redoing the study guide, studying with a partner, extra help with teacher
- Determine a date and time for the retake with the teacher

## **9. Materials**

Each day, students should bring their binder, folder, notebook, pencils, colored pens, calculator and a positive attitude to class.

## **10. Instruction and Directions for Help?**

### *Contact Information*

#### Team 6A

- Mrs. Stathie Papamihail - [epapamihail@d123.org](mailto:epapamihail@d123.org) - Room 3002
- Mr. Drew Baird - [abaird@d123.org](mailto:abaird@d123.org) - Room 3001
- Mr. Moises Lopez - [mlopez@d123.org](mailto:mlopez@d123.org) - Room 3028

#### Team 6B

- Mrs. Pamela Ekonomou - [pekonomou@d123.org](mailto:pekonomou@d123.org) - Room 3026
- Ms. Rory Sheahan - [rsheahan@d123.org](mailto:rsheahan@d123.org) - Room 3020
- Mr. Corey Elitzer - [celitzer@d123.org](mailto:celitzer@d123.org) - Room 3006

### *Parent Resources*

- Google Classroom
- Skyward

## **11. Curriculum Map (Units of Study)**

- **Prime Time** - Factors and Multiples
- **Comparing Bits & Pieces** - Ratios, Rational Numbers, and Equivalence
- **Let's Be Rational** - Understanding Fraction Operations
- **Covering & Surrounding** - Two-Dimensional Measurement
- **Variables & Patterns** - Describe Patterns of Change
- **Decimal Ops** - Computing with Decimals and Percents
- **Data About Us** - Statistics and Data Analysis