

# Course Syllabus

## 6<sup>th</sup> Grade Mathematics 2023-2024



Spirit, Pride, Excellence

### Course Description

Sixth grade (6th grade) mathematics course content regularly incorporates the 8 Mathematical Practices, the Framework for Statistical Reasoning, and the Mathematical Modeling Framework through three big ideas of content: (1) numerical reasoning, (2) patterning and algebraic reasoning, and (3) geometric and spatial reasoning. The fundamental purpose of Grade 6 mathematics is to formalize and extend the fundamental mathematics that students learned in the previous grades. Students will build upon their numerical reasoning to perform more operations with whole numbers, fractions, and decimals, explore positive and negative numbers, and part-to-whole and part-to-part relationships. Reasoning with patterns will guide their exploration of one-step equations and inequalities to represent real-world phenomena. Students will also extend their geometric and spatial reasoning to explore complex shapes and volume. The Mathematical Practices, Mathematical Modeling Framework and Framework for Statistical Reasoning apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

Instruction will take place both within the traditional classroom and on the virtual platform. Student participation is expected and encouraged.

**Academic honesty** – Receiving or giving information for an assignment is cheating and when caught in the act students will not receive credit nor receive the opportunity for a chance of make-up. Plagiarism is not acceptable: If a student takes information from the Internet or any printed resources without a citation or copies directly from a source, it is considered plagiarism and the assignment will not be accepted.

**Make-up work** – Announced work, such as homework, quizzes and major assessments, is due the day the student returns. For each day's excused absence, students will have one day to make up missed work. If a student is absent under extenuating circumstances, special arrangements can be made to make up work. Please refer to the student handbook for further information about excused and unexcused absences. IT IS THE STUDENT'S RESPONSIBILITY TO CHECK THE CALENDAR AND/OR REQUEST MISSED WORK.

**Parent Portal** – Newton County provides student grade-book information through the Parent Portal. (<https://campus.newton.k12.ga.us/campus/portal/newton.jsp>). This site allows parents to access grades and to monitor their child's progress during the school year. The Parent Portal will be updated at least once a week.

Weight	Category Title	Types of Assignments
30%	Activities to Support Mastery (Daily)	<ul style="list-style-type: none"> <li>-In Class Assignment</li> <li>-Homework</li> <li>-Bell Ringers/Opening Activities/Summation Activities</li> <li>-Written Journal Prompts</li> <li>-Progress Learning and other digital platforms</li> <li>-Participation" Grades – Debates, Simulations, etc.</li> <li>-Labs (used to practice skills, vocabulary and concepts)</li> </ul>
30%	Working Toward Mastery (Formative)	<ul style="list-style-type: none"> <li>-Formative Assessments (Teacher and/or PLC Created)</li> <li>-Quizzes (Teacher and/or PLC Created)</li> <li>-Writing Prompts</li> <li>-Daily In-Class Formative Assessments</li> <li>-Labs (that assess understanding during the unit)</li> </ul>
40%	Assessment of Mastery (Summative)	<ul style="list-style-type: none"> <li>-Unit Assessments (Teacher, and/or PLC Created)</li> <li>-Projects</li> <li>-Labs (that assess understanding at the end of the unit)</li> <li>-Essays</li> </ul>

### Textbooks & Materials

We will use a combination of learning materials to achieve our learning goals. If the textbook is lost, stolen, or damaged, it is the student's responsibility to pay the "replacement cost" of the book before another book is issued. If the lost book is found, please retain all receipts.

**Textbook:** *Big Ideas Math National Geographic/Cengage*: \$72.00

**Workbook:** *Big Ideas Math National Geographic/Cengage*: \$12.50

**Homework** – Teachers expect homework to be completed as assigned as a method of helping students prepare for the lessons.

**Late work** – Late work is not accepted unless the student has a legally excused absence. Extenuating circumstances will be addressed on an individual basis at the discretion of the teacher.

**Note: The types of assignments are suggested but not limited to what is in the chart.**

### Academic Grading Scale:

A = 90—100

B = 80—89

C = 70—79

F = 69 and below