

Mathematics Curriculum/Long Range Plans: 2023/2024 - Grade 6

Textbook Big Ideas Math (www.bigideasmath.com)

Quarter 1:

Chapter 1: Numerical Expressions and Factors

- Pages 1-44
- Focus on understanding numerical expressions, order of operations, and prime factorization.

Chapter 2: Fractions and Decimals

- Pages 45-92
- Emphasize the relationship between fractions and decimals, converting between them, and comparing/ordering fractions and decimals.

Quarter 2:

Chapter 3: Ratios and Rates

- Pages 93-138
- Explore ratios, rates, unit rates, and proportional relationships.

Chapter 4: Proportional Relationships

- Pages 139-186
- Continue working with proportional relationships, including graphs and equations.

Quarter 3:

Chapter 5: Percents

- Pages 187-234
- Introduce percents, percent proportions, and solving percent problems.

Chapter 6: Statistics and Data

- Pages 235-282

- Focus on data representation, measures of central tendency, and variability.

Quarter 4:

Chapter 7: Equations and Inequalities

- Pages 283-330
- Teach students how to solve one-step and two-step equations and inequalities.

Chapter 8: Geometry

- Pages 331-378
- Introduce basic geometry concepts, including area, volume, and geometric transformations.

Chapter 9: Rational Numbers and the Coordinate Plane

- Pages 379-426
- Explore rational numbers, operations with fractions and decimals, and coordinate graphing.

Chapter 10: Probability and Surface Area

- Pages 427-474
- Cover probability concepts and calculations, as well as surface area of geometric shapes.

Additional Notes:

- Throughout the year, regular review and practice of previously learned concepts to reinforce understanding.
- Depending on the pacing of your curriculum and the needs of the students, I may need to adjust the number of pages covered in each quarter.
- I will be incorporating hands-on activities, group work, and real-world applications to enhance student engagement and understanding.
- Assessment and progress monitoring will be conducted regularly to identify areas where students may need additional support or enrichment.