

Curriculum Overview for: Math

Content Area: Math

Wakefield Support Staff:

- Leslie Blake, Math Coach, lblake2@wcpss.net

Central Support Staff:

- Crystal Cabral, Elementary Mathematics Coordinating Teacher, ccabral@wcpss.net
- Kelly Steele, Elementary Mathematics Coordinating Teacher, ksteele@wcpss.net
- Michelle Tucker, Senior Administrator Elementary Mathematics, mtucker@wcpss.net

Overview of Program:

The North Carolina Department of Instruction has adopted the Common Core State Standards for Mathematics (CCSS). Teachers will teach the CCSS for their specific grade level following the WCPSS Pacing guide. Math standards for grades K-5 are structured so that students get a solid foundation in arithmetic. The standards provide sufficient time for teachers to teach core concepts and procedures, and for students to master them.

CCSS Standards for Mathematical Practice

- 1. Make sense of problems and persevere in solving them.*
- 2. Reason abstractly and quantitatively.*
- 3. Construct viable arguments & critique reasoning of others.*
- 4. Model with mathematics.*
- 5. Use appropriate tools strategically.*
- 6. Attend to precision.*
- 7. Look for and make use of structure.*
- 8. Look for and express regularity in repeated reasoning.*

Classroom Structure

- **Quick Practice:** Daily routine involving whole-class responses of individual partner practice
- **Math Talk:** Students share strategies and solutions orally using the five talk moves.
- **Building Concepts:** Objects, drawings, conceptual language, and real-world situations strengthen mathematical ideas and understanding.
- **Helping Community:** A classroom in which everyone is both a teacher and a learner.
- **Student Leaders:** Teacher's facilitate students' growth by helping them learn to lead practice activities and classroom discussions.

Primary Resource: Curriculum Management Application (CMAPP)

- Pacing Guides, Instructional Guides, Daily Routines, Additional Resources

WCPSS program(s) used:

- Math Expressions (Textbook and Consumables)
- Wake County Alignment Lessons (Via CMAPP and pre-printed notebooks)

Websites:

- **Program websites:**
 - Curriculum Management Application: <http://cmapp.wcpss.net>
 - Math Expressions: <http://www.eduplace.com/kids/mthexp/>
 - Think Central: <https://www-k6.thinkcentral.com/ePC/start.do>
 - Common Core State Standards for Mathematics:
http://www.corestandards.org/assets/CCSSI_Math%20Standards.pdf