

Mississippi Early Childhood Instructional Math Resources

Math Learning Supports by Age, Learning Domains, and Developmentally Appropriate Math Skills

$2+2=4$

Learning Domain: Sensory exploration, understanding of cause & effect, motor skills development, cognition

Educational Settings Implementing Curriculum & Resources

- Public & private childcare centers
- Home care settings
- Head Start programs

0 - 18 months

Math Curriculum & Resources

- Creative Curriculum
- My Mississippi Adventures*
- Building Blocks
- Mind in the Making/Vroom

Math Skills: Patterns, matching, shapes, sequencing, spatial relationships

Learning Domain: Symbolic thinking & problem-solving, increasing vocabulary, understanding simple instructions, cognition

Math Curriculum & Resources

- Creative Curriculum
- My Mississippi Adventures*
- Building Blocks
- Mind in the Making/Vroom

Math Skills: Sorting and classifying, patterns, matching, shapes, sequencing, numbers, spatial relationships

18-36 months

Educational Settings Implementing Curriculum & Resources

- Public & private childcare centers
- Home care settings
- Head Start programs

Learning Domain: Enhanced memory & understanding of sequences, cooperative play & sharing

Educational Settings Implementing Curriculum & Resources

- Public & private childcare centers
- Home care settings
- Head Start programs

3-4 years

Math Curriculum & Resources

- MS Beginnings Curriculum
- Creative Curriculum
- My Mississippi Adventures*
- Building Blocks
- Mind in the Making/Vroom

Math Skills: Number sense, sorting, measurement (non-standard), comparing

Learning Domain: Logical thinking & classification, more complex language skills & storytelling

Math Curriculum & Resources

- MS Beginnings: Pre-K
- HighScope Infant-Toddler Curriculum
- Creative Curriculum for Preschool
- My Mississippi Adventures*
- Big Math for Little Kids
- Frog Street Pre-K
- Building Blocks
- Eureka Math

Math Skills: Recognizing & creating patterns, counting objects up to 10 & recognizing numerals, basic measurement concepts

4-5 years

Educational Settings Implementing Curriculum & Resources

- Public and Private Pre-K programs
- Public and private childcare centers
- Home care settings
- Head Start programs

Learning Domain: Abstract thinking, problem solving, enhanced reading & comprehension skills

Educational Settings Implementing Curriculum & Resources

- Public and Private Elementary Schools

5-6 years

Math Curriculum & Resources

- Eureka Math (Kindergarten)
- Ready in Mathematics
- Bridges in Mathematics (Kindergarten)
- Creative Curriculum for Kindergarten
- Highscope Kindergarten Curriculum
- Building Blocks Math Curriculum

Math Skills: Counting beyond 20 and basic skip counting, addition & subtraction without visual aids, understanding place value

Learning Domain: Analytical thinking, logical reasoning, working in groups & following complex instructions

Math Curriculum & Resources

- Eureka Math (Grades 1 - 2)
- Ready in Mathematics
- Bridges in Mathematics
- Go Math!
- Highscope Elementary Curriculum

Math Skills: Multiplication & division basics, understanding fractions & simple decimals, solving word problems using basic math operations.

6-7 years

Educational Settings Implementing Curriculum & Resources

- Public and Private Elementary Schools

Learning Domain: Critical thinking, hypothesis testing, advanced vocabulary & complex sentence structures

Educational Settings Implementing Curriculum & Resources

- Public and Private Elementary Schools

7-8 years

Math Curriculum & Resources

- Eureka Math (Grades 2 - 3)
- Ready in Mathematics
- Bridges in Mathematics (grades 2 - 3)
- Go Math! (Grades 2 - 3)
- Highscope Elementary Curriculum

Math Skills: Advanced addition, subtraction, multiplication & division; understanding more complex fractions & decimals, basic geometry concepts

Note: * My Mississippi Adventures is in development as of September 2024.

For more information, policy recommendations, and sources, access the [Mississippi Early Childhood Instructional Math Resources brief here](#), or scan the QR code.

