E1 (Math for Grade 1)

Course Curriculum (MPSL Academy)

1. Addition and Subtraction Situations

- Solve Add To Problems
- Solve Put Together Problems with Both Addends Unknown
- Solve Take From Problems
- Solve Compare Problems: More & Fewer
- Solve Compare Problems: Fewer
- Solve Add To Problems with Change Unknown
- Connect Put Together and Take Apart Problems

2. Fluency and Strategies within 10

- Add, Subtract 0 and Subtract All
- Add and Subtract 1
- Add Doubles from 1 to 5
- Use Doubles
- Add in Any Order
- Count On to Add
- Count Back to Subtract
- Use Addition to Subtract

3. More Addition and Subtraction Situations

- Solve Add To Problems with Start Unknown
- Solve Take From Problems with Change & Start Unknown
- Compare Problems: Bigger Unknown
- Compare Problems: Smaller Unknown
- True or False Equations
- Find Numbers That Make 10
- Fact Families

4. Add Numbers within 20

- Add Doubles from 6 to 10
- Use Doubles within 20
- Count On to Add within 20
- Add Three Numbers by Making a 10
- Problem Solving: Addition within 20

5. Subtract Numbers within 20

- Count Back to Subtract within 20
- Use Addition to Subtract within 20
- Get to 10 to Subtract
- More True or False Equations
- Problem Solving: Subtraction within 20

6. Count and Write Numbers to 120

- Count to 120 by Ones and Tens
- Compose Numbers 11 to 19
- Tens and Ones
- Understand Place Value
- Write Numbers in Different Ways
- Count and Write Numbers to 120

7. Compare Two-Digit Numbers

- Compare Numbers 11 to 19
- Compare Numbers
- Compare Numbers Using Place Value
- Compare Numbers Using Symbols
- Compare Numbers Using a Number Line
- 1 More, 1 Less; 10 More, 10 Less

8. Add and Subtract Tens

- Mental Math: 10 More
- Mental Math: 10 Less
- Add Tens Using a Number Line
- Subtract Tens Using a Number Line
- Use Addition to Subtract Tens
- Add Tens to a Number

9. Add Two-Digit Numbers

- Add Tens and Ones Using a Number Line
- Make a 10 to Add
- Add Two-Digit Numbers
- Practice Addition Strategies
- Problem Solving: Addition

10. Measure and Compare Lengths

- Order Objects by Length
- Compare Lengths Indirectly
- Measure Lengths
- Solve Compare Problems Involving Length

11. Represent and Interpret Data

- Sort and Organize Data
- Read and Interpret Picture Graphs
- Read and Interpret Bar Graphs
- Represent Data
- Solve Problems Involving Data

12. Tell Time

- Tell Time to the Hour and Half Hour
- Tell Time Using Analog and Digital Clocks
- Draw clock showing the given time value

13. Two- and Three-Dimensional Shapes

- Sort Two-Dimensional Shapes
- Describe Two-Dimensional Shapes
- Combine Two-Dimensional Shapes
- Create More Shapes
- Take Apart Two-Dimensional Shapes
- Sort and Describe Three-Dimensional Shapes
- Combine Three-Dimensional Shapes
- Take Apart Three-Dimensional Shapes

14. Equal Shares

- Equal Shares
- Partition Shapes into Halves
- Partition Shapes into Fourths

15. Advance Topics

- Numbers, Numerations and Operations
- Problem Solving - Techniques & Graphs
- Money – Intro
- Parts – One-half, One-Fourth
- Two-step operations
- Intro – Multiplication
- Problem Solving – Making Table
- Shapes and Patterns - Intro