Course 1: Nemeth Code Within UEB Contexts and Strategies for Supporting the Pre-K-1st Grade Student in Building Math Skills

Lesson 1: Numbers and Linear Problems
1.1 Participants will be able to read and write the following symbols:
   • Numbers from 0-120
   • Mathematical comma (7,8,9)
   • Punctuation indicator
   • Plus and minus signs (+,-)
   • Equals sign, greater than sign, less than sign (=, >, <)
   • General omission symbol
1.2 Participants will be able to number math problems
1.3 Participants will be able to read and write linear problems

Lesson 2: Math Problems and Nemeth Code Switch Indicators
2.1 Participants will be able to read and write linear math problems using the long dash, general omission symbol, or shape to represent a missing number, sign of operation, or sign of comparison
2.2 Participants will read and write math word problems that require use of the opening Nemeth Code indicator, Nemeth Code terminator, and/or one word switch indicator

Lesson 3: Multiple Choice Problems and Spatial Problems
3.1 Participants will be able to read and write tally marks
3.2 Participants will be able to read and write problems with multiple choice answers
3.3 Participants will be able to read and write spatial problems

Lesson 4: Formatting Materials for Students in the Early Grades
4.1 Participants will be able to locate and use formatting resources
4.2 Participants will be able to format the following:
   • Centered headings
   • Braille page numbers
   • Directions
   • Problems
4.3 Participants will be able to make decisions on when to use Nemeth numbers and manipulatives
Lesson 5: Working with the Educational Team
5.1 Participants will be able to describe their role as a TSVI working with students who are in PK-1 education
5.2 Participants will be able to identify ways they, as the TSVI, can support general education system
5.3 Participants will be able to list ways they can support the paraprofessional to do his/her job successfully
5.4 Participants will be able determine when to prepare a teacher reference sheet and what to include

Lesson 6: Supporting the Student in Learning Nemeth Code and Math Concepts
6.1 Participants will be able to describe the importance of pre-teaching Nemeth symbols
6.2 Participants will be able to locate and use resources for teaching math concepts
6.3 Participants will be able to identify and use hands-on materials and manipulatives to support student learning

Lesson 7: Family Engagement to Support the Child’s Success in Math
7.1 Participants will be able to support the family in creating a positive environment for learning
7.2 Participants will be able to describe strategies to use when introducing family members to the Nemeth Code within UEB contexts
7.3 Participants will be able to identify typical routines that support a child’s learning of math concepts
7.4 Participants will be able to explain activities outside of the home that families can take advantage of to increase the child’s learning of math concepts
7.5 Participants will be able to develop ideas for activities to send home for families to complete together
7.6 Participants will be able to provide ideas to families for supporting their child in completing math homework