

Number Sense, Grades K-2



This five day training will help teachers develop their understanding about how kids learn and develop number sense. They will learn how to create meaningful educational experiences for their students and make student sense-making a cornerstone of classroom lessons. Teachers will also develop a deeper understanding of number so they will have the confidence to orchestrate classroom discussions with their students. The training will also show how the mathematics content they teach to students fits in with the mathematics the students will be learning in future grades. There will be support for teachers to meet in professional learning communities (PLC) to discuss how children develop understanding of whole numbers, how to interpret students' work on assessment tasks, and how to plan effective instruction. Module topics will include:

- **Number Sense** – What is it and how can we help our students?
- **Addition** – Creating real-world situations and reacting to students' responses
- **Subtraction** – Designing purposeful instruction to move students beyond direct modeling and counting, and to think more algebraically
- **Multiplication and Division** – How to use mathematical symbols and vocabulary to have conversations with your students and communicate important ideas
- **Place Value** – Helping students develop numerical benchmarks using manipulatives, language, and symbols