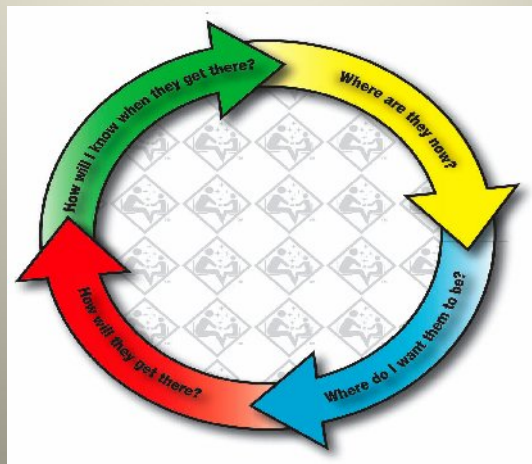


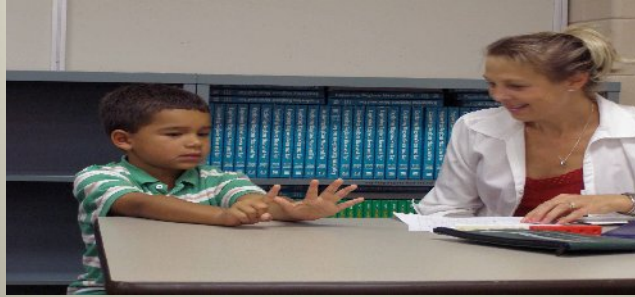


Tell Me Two Numbers That Make 15: Teaching Primary Math

Laurie Karl
District 196

Add+VantageMR Teaching and Learning Cycle



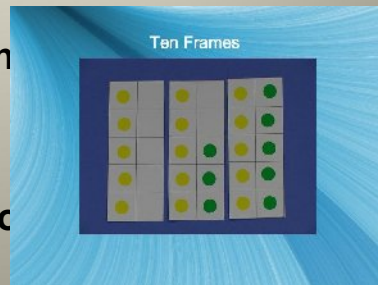


“...assessment is not an end goal,
but a means to achieving
instructional outcomes.”

National Council of Teachers of Mathematics

Add +Vantage MR

- **Number Words and Numerals**
 - Forward Number Word Sequence
 - Backward Number Word Sequence
 - Numeral Identification
- **Addition and Subtraction**
- **Structuring**
- **Place Value**
- **Multiplication and Division**



Where do I want them to be?

- NCTM Focal Points
- Minnesota State Standards
- Process Standards



How will they get there?

- **Whole group instruction**
 - Counting money, telling time, 20 Questions, Count Around, Number Clothes Line, Mystery Number, etc.
 - Introduce independent work
- **Small group skill lessons**
 - Flexible groups based on formal and informal assessments
 - Usually 5-10 minutes
- **Whole group discussion regarding independent work**
 - Essential for process standards development

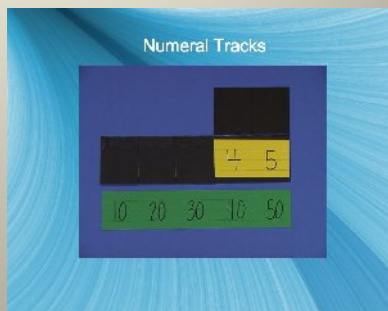
Number Words and Numerals

- Forward Number Word Sequences
- Number Word After
- Backward Number Word Sequences
- Number Word Before



Number Words and Numerals

- Numeral Identification
- Numeral Track
- Numeral Roll
- Numeral Cards

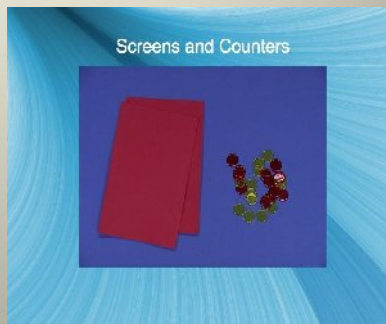


Numbers on a Line



Addition and Subtraction

- Using counters and screens we scaffold student learning from perceptual towards counting strategies
- Problem solving is an integral part of our mathematics instruction



Leveled Activity Resources

- ***Teaching Number in the Classroom*** by Robert J. Wright, Garry Stanger, Ann K. Stafford and James Martland, 2006
- ***Using the Rekenrek as a Visual Model for Strategic Reasoning in Mathematics*** by Barbara Blanke
www.mathlearningcenter.org/media/rekenrek_0308.pdf

District 196

Educating our students to reach their full potential



It is only when you change the lens through which you view student learning that you find a new focus. If you never change the lens, you limit your vision.

Art Costa and Bena Kallie
Through the Lens of a Critical Friend

Questions?

Laurie Karl

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