Developing Foundational Numeracy in Mathematics

Georgia Numeracy Project

Global Strategy Stage Assessment
(GloSS – Individual Verbal/Mental Reasoning)
Strategy Screener

Assesses Three Strategy Domains
- Addition and Subtraction
- Multiplication and Division
- Proportions and Ratios

Individual Knowledge Assessment of Number
(IKAN Part I – Individual Verbal)
Knowledge Screener

Assesses One Knowledge Domain
1. Number Sequence & Order
   a) Number Recognition
   b) Number Sequence
   c) Forward and Backward Number Word Sequence

Numeracy Project Assessment
(Individual Verbal)
Strategy & Number Knowledge Numeracy Intervention Instrument

Deeply Assesses Strategy & Number Knowledge

Numeracy Development Intervention Activities
(Activities for Support)
These resources provide the teacher/interventionist with the activities to support students where they are in their progression and help them move to the next level of numeracy development.

Tier 1
(all students)

Tier 2 & 3

GloSS Chart

Assessment Manual
Intervention Manual

Graphic inspired by Kent ISD, Michigan
Updated July 1, 2019
**GEORGIA NUMERACY PROJECT**

**Numeracy Assessments**
- Data Interpretation: What do the data say?
- Data Analysis: What do the data mean?
- Planning: What will I do with this information?

**Small Group Instruction**
- Numeracy Project Tasks/Activities: How will I support individual student needs through small group instruction?

**Whole Group Instruction**
- Number Talks
- Numeracy Project Group/Partner Games, Activities, and Tasks: What will I do with all students?

**Numeracy Intervention Instrument**
- What will I do with students who need more?

**Intense Intervention with Numeracy Activities**
- (based on specific skill needs identified on NII)

**STOP: The NEXT steps are for students who need additional, more intense support.**
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Global Strategy Stage Assessment (GloSS – Individual Verbal/Mental Reasoning)
- Strategy Screener
  - Possible Stage Scores 0-8
  - Assesses Three Strategy Domains
    1. Addition and Subtraction
    2. Multiplication and Division
    3. Proportions and Ratios

Individual Knowledge Assessment of Number (IKAN Part I – Individual Verbal)
- Knowledge Screener
  - 0-3 Strategy Stage on GloSS
  - Assesses One Knowledge Domain
    - Number Sequence & Order
      a) Number Recognition
      b) Number Sequence
      c) Forward and Backward Number Word Sequence

Numeracy Project Assessment (Individual Verbal)
- Strategy & Number Knowledge Numeracy Intervention Instrument
  - Deeply Assesses Strategy & Number Knowledge
    - Each of the Strategy and Knowledge Domains on the GloSS and IKAN

Numeracy Development Intervention Activities (Activities for Support)
- These resources provide the teacher/interventionist with the activities to support students where they are in their progression and help them move to the next level of numeracy development.

- Examiner’s Assessment Manual
- Videos of Assessments GloSS & IKAN
- Individual Knowledge Assessment of Number (IKAN Part I – Individual Verbal) Knowledge Screener
- Individual Knowledge Assessment of Number (IKAN Part II – Written) Knowledge Screener
- Numeracy Project Assessment (Individual Verbal) Strategy & Number Knowledge Numeracy Intervention Instrument
- Numeracy Development Intervention Activities (Activities for Support)
- Grade Level Expectations Continuum
- Numeracy Development Project Books
- Data Table & Graph
- Strategy Stage Descriptions Stage 0 to Stage 8
- Student Examples
- Graphic inspired by Kent ISD, Michigan
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