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

Assessment Manual
Intervention Manual

Graphic inspired by Kent ISD, Michigan
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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
How will I support individual student needs through small group instruction?

Numeracy Project Tasks/Activities

Whole Group Instruction
What will I do with all students?

Number Talks

Numeracy Project Group/Partner Games, Activities, and Tasks

STOP: The NEXT steps are for students who need additional, more intense support.

Numeracy Intervention Instrument

What will I do with students who need more?

Intense Intervention with Numeracy Activities (based on specific skill needs identified on)
Developing Foundational Numeracy in Mathematics

**Georgia Numeracy Project**

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

**Strategy Screener**
Possible Stage Scores 0-8

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
- 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.

**Videos of Assessments**
GloSS & IKAN

**Videos of Interventions**
Project Books

**Interviews**
1. Interview 1
2. Interview 2
3. Interview 3
4. Interview 4

**Examiner’s Assessment Manual**

**GloSS Interview**
Instructions
Recording Sheet

**Grade Level Expectations Continuum**
GloSS
IKAN

**IKAN Instructions**
Part I
Part II

**IKAN Part II**
Instructions
Recording Sheet
Answers

**Data Table & Graph**

**Numeracy Development Project Books**

**Student Examples & Strategy Stage Descriptions**
Stage 0 to Stage 8

**Grade Level Expectations Continuum**

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