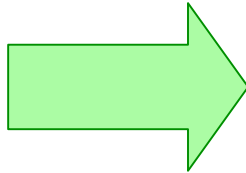


STRUGGLING ELEMENTARY MATHEMATICS CHART

STEP 1: Screening

Administer screening assessment(s) to students who meet the Screening Criteria and are more than one year below grade level in mathematics.

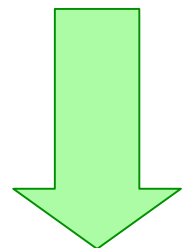
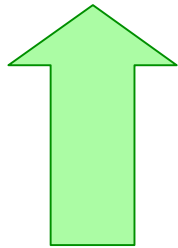


STEP 2: Diagnostic Assessments

Administer additional diagnostic assessment(s) based on screening results from STEP 1.

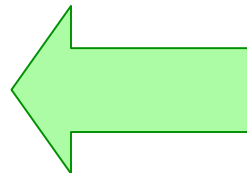
SCREENING CRITERIA

- 🍏 All K through Grade 5 students on AIPs for Mathematics
- 🍏 All Grade 4 and 5 students below level 2 on FCAT-SSS in Mathematics
- 🍏 All Grade 4 and 5 students below the 25th percentile on the FCAT-NRT in Mathematics
- 🍏 Entering ESE students with IEPs where mathematics has been determined to be a priority educational need



STEP 4: Monitoring Progress

Administer monitoring assessment(s) to students receiving interventions in order to measure adequate progress.



STEP 3: Intervention Programs/ Resources

Implement intervention program/resource with fidelity as determined by screening and diagnostic assessment(s).

STRUGGLING ELEMENTARY MATHEMATICS CHART

Mathematics Assessments and Supplementary Interventions for Struggling Math Students (including ESOL and ESE)

SCREENING	<p>The following assessment screens all mathematics strands (for all students):</p> <ul style="list-style-type: none"> ▪ Harcourt Math Inventory Test (Grades 1-5) 			
INTERVENTION PROGRAMS	<p>(Grades K-2) CENTER FOR INNOVATION IN EDUCATION <i>Math Their Way</i></p>	<p>(Grades 4-6) HOUGHTON MIFFLIN <i>Knowing Mathematics</i></p>	<p>(Grades K-6) GREAT SOURCE <i>Summer Success Math</i></p>	<p>(Grades K-5) INNOVATIVE LEARNING CONCEPTS INC. <i>Touch Math</i></p>
	<p>(Grades K-5) PCI EDUCATION <i>Basic Math Practice</i> ★</p>	<p>(Grades 1-5) MATH TEACHERS PRESS <i>Moving with Math</i></p>	<p>(Grades PreK-6) SRA/McGRAW-HILL <i>Number Worlds (Levels A-H)</i> ★</p>	

FIVE STRANDS	NUMBER SENSE	MEASUREMENT	GEOMETRY	ALGEBRAIC THINKING	DATA ANALYSIS & PROBABILITY
INTERVENTION RESOURCES	<p>ETA CUISENAIRE</p> <ul style="list-style-type: none"> ▪ FractionWorks® (Grades 3-5) ▪ Super Source (Grades K-2, 3-4, 5-6) <p>NEWBRIDGE</p> <ul style="list-style-type: none"> ▪ All About Math—Number Sense Sets A and B <p>OPTIONS</p> <ul style="list-style-type: none"> ▪ Math First Levels C-E <i>All Strands</i> (Grades 3-5) <p>WRIGHT GROUP/McGRAW-HILL</p> <ul style="list-style-type: none"> ▪ Building Math Ideas★ (Grades 1-5) ▪ Everyday Mathematics Games Kit (Grades PreK, 1-3, 4-6) ▪ Facts That Last★ (Grades 1-5) ▪ Groundworks®—Reasoning with Numbers (Grades 1-5) ▪ Hands-On Base Ten Blocks (Grades K-3) ▪ Let's See the Math★ (Grades 2-5) ▪ Practice Your Facts★ (Grades 3-4) ▪ Roads to Reasoning (Grades 1-5) <p>BECON</p> <ul style="list-style-type: none"> ▪ Math Alive (Grades 1-5) 	<p>ETA CUISENAIRE</p> <ul style="list-style-type: none"> ▪ MeasureWorks® (Grades 1-5) ▪ Super Source (Grades K-2, 3-4, 5-6) <p>NEWBRIDGE</p> <ul style="list-style-type: none"> ▪ All About Math—Measurement Sets A and B <p>WRIGHT GROUP/McGRAW-HILL</p> <ul style="list-style-type: none"> ▪ Groundworks®—Reasoning about Measurement (Grades 1-5) <p>BECON</p> <ul style="list-style-type: none"> ▪ Measuring Up (Grades 3-5) 	<p>ETA CUISENAIRE</p> <ul style="list-style-type: none"> ▪ Super Source (Grades K-2, 3-4, 5-6) <p>NEWBRIDGE</p> <ul style="list-style-type: none"> ▪ All About Math—Shapes Sets A and B <p>WRIGHT GROUP/McGRAW-HILL</p> <ul style="list-style-type: none"> ▪ Groundworks®—Reasoning with Geometry (Grades 1-5) <p>BECON</p> <ul style="list-style-type: none"> ▪ Putting Geometry on the Map (Grades 3-5) 	<p>ETA CUISENAIRE</p> <ul style="list-style-type: none"> ▪ AlgebraWorks®★ (Grades 3-6) ▪ Hands-On Equations (Grades 4-5) ▪ Super Source (Grades K-2, 3-4, 5-6) <p>NEWBRIDGE</p> <ul style="list-style-type: none"> ▪ All About Math—Patterns <p>WRIGHT GROUP/McGRAW-HILL</p> <ul style="list-style-type: none"> ▪ Groundworks®—Algebraic Thinking (Grades 1-5) ▪ NIKTU Levels 1-3 (Grades 3-5) ▪ The abc's of Algebra: Levels 1-3★ (Grades 3-5) 	<p>ETA CUISENAIRE</p> <ul style="list-style-type: none"> ▪ Super Source (Grades K-2, 3-4, 5-6) <p>NEWBRIDGE</p> <ul style="list-style-type: none"> ▪ All About Math—Graphs <p>TOM SNYDER PRODUCTIONS</p> <ul style="list-style-type: none"> ▪ The Graph Club (Grades K-4) ▪ Graph Master (Grade 5) <p>WRIGHT GROUP/McGRAW-HILL</p> <ul style="list-style-type: none"> ▪ Groundworks®—Reasoning with Data and Probability (Grades 1-5)

STRUGGLING ELEMENTARY MATHEMATICS CHART

Mathematics Assessments and Supplementary Interventions for Struggling Math Students (including ESOL and ESE)

DIAGNOSTIC ASSESSMENTS	<p>The following assessments are diagnostic tools for all mathematics strands:</p> <ul style="list-style-type: none"> ▪ GLOBE PEARSON (formerly AGS): Key Math (Grades K-5) ▪ GLOBE PEARSON (formerly AGS): Group Mathematic Assessment and Diagnostic Evaluation (G•MADE) Grades 1-5 (available online August 2006) ▪ PRO-ED PUBLISHER: Test of Early Mathematical Ability (TEMA-3) Grades Pre-K-3 ▪ PRO-ED PUBLISHER: Test of Mathematical Ability (TOMA-2) Grades 4-5 ▪ PRO-ED PUBLISHER: Comprehensive Mathematical Ability Test (CMAT) Grades 3-5 ★ ▪ Stanford Diagnostic Mathematics Tests (SDMT) 	
MONITORING PROGRESS	<p>The following assessments monitor progress for all mathematics strands:</p> <ul style="list-style-type: none"> ▪ District's Mini-Assessments (Grades 1-5) ▪ Harcourt Math Chapter Tests (Grades K-5) ▪ Harcourt Math Unit Tests (Grades K-5) 	
REFERENCE BOOKS	TECHNOLOGY	<p>GREAT SOURCE:</p> <ul style="list-style-type: none"> ▪ Math to Learn and Teacher Resource Book (Grades 1-2) ▪ Math to Know and Teacher Resource Book (Grades 3-4) ▪ Math at Hand and Teacher Resource Book (Grade 5) <p>▪ FASTT Math (Tom Snyder Productions) ★</p> <p>▪ FCAT Explorer</p> <p>▪ Intellitools Classroom Suite</p> <p>▪ Larson's Math (Houghton Mifflin) ★</p> <p>▪ Odyssey</p> <p>▪ Riverdeep Math</p> <p>▪ Waterford Early Math & Science (Pearson Digital Learning) ★</p>
TEACHER REFERENCE BOOKS	<p>ASSOCIATION FOR SUPERVISION AND CURRICULUM DEVELOPMENT</p> <ul style="list-style-type: none"> ▪ Robert Marzano, Debra Pickering, and Jane Pollock, <i>Classroom Instruction That Works</i> ★ <p>LAWRENCE ERLBAUM ASSOCIATES</p> <ul style="list-style-type: none"> ▪ Liping Ma, <i>Knowing and Teaching Elementary Mathematics</i> ★ <p>MATH SOLUTIONS PUBLICATIONS</p> <ul style="list-style-type: none"> ▪ Marilyn Burns, <i>About Teaching Mathematics</i> <p>NATIONAL ACADEMY PRESS</p> <ul style="list-style-type: none"> ▪ <i>Adding It Up-Helping Children Learn Mathematics</i> <p>NATIONAL COUNCIL OF TEACHERS OF MATHEMATICS</p> <ul style="list-style-type: none"> ▪ <i>Principles and Standards for School Mathematics</i> ▪ <i>A Research Companion to Principles and Standards for School Mathematics</i> <p>PEARSON</p> <ul style="list-style-type: none"> ▪ John A. Van De Walle, <i>Elementary and Middle School Mathematics Teaching Developmentally</i>, 5th edition ▪ Helene Sherman, Lloyd Richardson, and George Yard, <i>Teaching Children Who Struggle with Mathematics</i> ★ 	