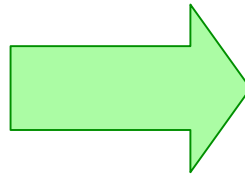


STRUGGLING SECONDARY MATHEMATICS CHART

STEP 1: Screening

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

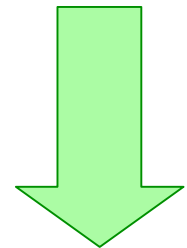
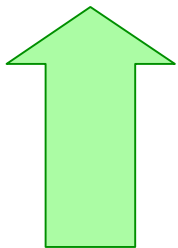


STEP 2: Diagnostic Assessments

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

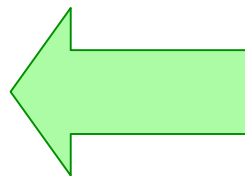
SCREENING CRITERIA

- 🍏 All grade 6-12 students on AIPs for 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 those 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).

The School Board of Broward County, Florida

STRUGGLING SECONDARY MATHEMATICS CHART

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

Screening	<p>The following assessments screen all mathematics strands:</p> <ul style="list-style-type: none"> • Publisher Diagnostic and Placement Tests • AGS Math-level Indicator • Harcourt: Orleans-Hanna Algebra Prognosis Test (Algebra only) 				
Math Strands	Number Sense		Algebraic Thinking		All Five Math Strands
Intervention PROGRAMS (see attachment for descriptions)	<ul style="list-style-type: none"> • Houghton Mifflin <ul style="list-style-type: none"> *Knowing Mathematics (gr 6) • Pearson AGS Globe • Pacemaker Basic Mathematics • SRA-McGraw Hill Publishing <ul style="list-style-type: none"> *Corrective Mathematic Series: for Addition, Subtraction, Multiplication, Division, Basic Fractions, Fractions Decimals- Percents, Ratios and Equations *Math Lab 2c Gr. 6 		<ul style="list-style-type: none"> • AGS Publishing <ul style="list-style-type: none"> *Building Basic Math Skills Worktext *Mathematics: Pathways *Basic Math Skills *Life Skills Math *Pre-Algebra 		<ul style="list-style-type: none"> • Math Teachers Press, Inc <ul style="list-style-type: none"> *Moving with Math, "Sums for High School." *Moving with Math, Math by Topic • Carnegie Learning <ul style="list-style-type: none"> *Cognitive Tutor: Bridge to Algebra *Cognitive Tutor: Integrated Math 1 • McDougal Littell Larson Learning <ul style="list-style-type: none"> *Larson's Prealgebra
Five Math Strands	Number Sense	Measurement	Geometry	Algebraic Thinking	Data Analysis & Probability
Intervention RESOURCES (see attachment for descriptions)	<ul style="list-style-type: none"> • Contemporary Books <ul style="list-style-type: none"> *Number Power Series • ETA Cuisenaire • FractionWorks • AGS Publishing <ul style="list-style-type: none"> *Building Math Success Workbook Series • Steck Vaughn <ul style="list-style-type: none"> *Working with Numbers Refresher • The Wright Group/Creative Publications <ul style="list-style-type: none"> *The Decimal Factory Gr. 4-6 *Building Math Ideas *Roads to Reasoning *Facts That Last *Groundworks Reasoning with Numbers *Thinking MatheMentally • Sopris West: Transitional Mathematics <ul style="list-style-type: none"> *Developing Number Sense *Making Sense of Rational Numbers *Understanding Algebraic Expressions • PCI Educational Publishing <ul style="list-style-type: none"> *Basic Math Practice (Number Operation) 	<ul style="list-style-type: none"> • BECON <ul style="list-style-type: none"> * Measuring Up • The Wright Group/Creative Publications <ul style="list-style-type: none"> *Groundworks Reasoning with Measurement *Connections Linking Manipulatives to Mathematics • PCI Educational Publishing <ul style="list-style-type: none"> *Basic Math Practice (Measurement) 	<ul style="list-style-type: none"> • BECON <ul style="list-style-type: none"> *Putting Geometry on the Map • The Wright Group/Creative Publications <ul style="list-style-type: none"> *Groundworks Reasoning with Geometry 	<ul style="list-style-type: none"> • The Wright Group/Creative Publications <ul style="list-style-type: none"> *Algebra Thinking: First-Experiences *Groundworks Algebraic Thinking • ETA Cuisenaire <ul style="list-style-type: none"> *AlgebraWorks *Hands-On Equations • Best Quest <ul style="list-style-type: none"> *Algebra'scool • Options Publishing <ul style="list-style-type: none"> *Foundations in Algebra • Sopris West <ul style="list-style-type: none"> *You Can Be Algebra Ready 	<ul style="list-style-type: none"> • The Wright Group/Creative Publications <ul style="list-style-type: none"> *Groundworks Reasoning with Data and Probability • PCI Educational Publishing <ul style="list-style-type: none"> *Basic Math Practice (Tables, Graphs and Charts)

The School Board of Broward County, Florida

STRUGGLING SECONDARY MATHEMATICS CHART

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

Intervention RESOURCES FOR ALL STRANDS (see attachment for descriptions)	<p>The following instructional materials are intervention tools for all mathematics strands:</p> <ul style="list-style-type: none"> • ETA Cuisenaire • *Super Source Gr. 5-6, 7-8 • Great Source • *Every Day Counts Calendar Math (Gr. 6) • *Every Day Counts Algebra Readiness • Thompson Peterson’s Get Wise! Series • *Get Wise! Mastering Math Word Problems • *Get Wise! Mastering Math Skills • Glencoe • *Skills Intervention Kit for Middle School Mathematics • Options Publishing • *Foundations in Math • *Comprehensive Math Assessment • Prentice Hall • *Skills Interventions Kit • Key Curriculum Press • *Key to.....Workbooks 		
Diagnostic Assessments	<p>The following assessments are diagnostic tools for all mathematics strands:</p> <ul style="list-style-type: none"> • AGS Publishing: Group Mathematics Assessments and Diagnostic Evaluation (G•MADE) Gr. 6–12 • Harcourt Publishing: Stanford Diagnostic Mathematics Test (SDT) • Pro-Ed Publishing: Test of Mathematical Ability (TOMA-2): Gr. 6 –12 • Pro-Ed Publishing: Comprehensive Mathematical Ability Test (CMAT): Gr. 6-12 • AGS Publishing: Key Math Revised Gr. 6 – 12 		
Monitor Progress	<p>The following assessments monitor progress for all mathematics strands:</p> <ul style="list-style-type: none"> • Publisher Chapter Tests • Publisher Unit Tests • District’s Mini-Assessments Gr. 6-10 		
Student Reference Books	Technology	<ul style="list-style-type: none"> • Great Source: <ul style="list-style-type: none"> *Math to Know and Teacher Resource Book: skill level 3-4 *Math at Hand and Teacher Resource Book: skill level 5-6 *Math on Call and Teacher Resource Book: skill level 6-8 • Riverdeep • College Board On-line Assessments (Springboard Schools) • Neufeld Learning • *Understanding Math • AGS Skill Track Software • Test Tools FCAT Simulation • FCAT Explorer • Hot Math • Intellitools classroom suite • Tom Snyder: Fast Track to Math 	
Teacher Reference Books	<ul style="list-style-type: none"> • National Council of Teachers of Mathematics • *Principles and Standards for School Mathematics • *A Research Companion to Principles and Standards for School Mathematics • Math Solutions Publications • *About Teaching Mathematics by Marilyn Burns • National Academy Press • *Adding It Up-Helping Children Learn Mathematics • Pearson Education: <ul style="list-style-type: none"> *Elementary and Middle School Mathematics <i>Teaching Developmentally</i>, 5th edition by John A. Van De Walle *Teaching Secondary and Middle School Mathematics, 2nd edition by Daniel J. Brahier • Pearson SkyLight: Timothy McNamara • *Key Concepts in Mathematics <i>Strengthening Standard Practice in Grades 6-12</i> • ASCD • *Classroom Instruction that works by Robert Marzano, Debra Pickering, and Jane Pollock 		