HELP Math Program as an RTI Solution
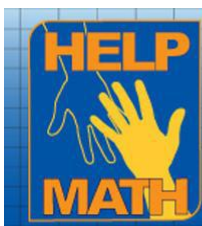
HELP Math provides for implementation of RtI at all three tier levels as follows:

RESPONSE TO INTERVENTION RECOMMENDED PRACTICES	HOW HELP MATH MEETS THESE REQUIREMENTS
Universal screening	HELP Math's diagnostic pre and post tests, both grade level and adaptive, align with all state and national standards and identify student of skills deficits
Core instruction for all students (Tier 1)	HELP Math provides comprehensive, high quality instruction for grades 3-8,aligned with state, NCTM and Common Core Standards
Increasingly intensive instructional interventions for students who need extra help	HELP Math is a best-practices intervention, identifies and prescribes both grade level and foundational skills deficits. It provides middle school and high school teachers with the ability and flexibility to customize and target instruction for students at Tiers II and III.
Progress monitoring	HELP Math provides teachers with diagnostic tests and adaptive assessments to determine students' and class mastery and skills deficits, as well as pro-actively notifying teachers when students continue to struggle, providing recommendations for further targeted interventions

Recommendations on the following pages are taken from these sources:

* *Assisting Students Struggling with Mathematics: Response to Intervention (RTI) for Elementary and Middle Schools,* Institute of Education Sciences, NCEE 2009-4060, National Center for Education Evaluation and Regional Assistance

** *Response to Intervention and English Learners,* Jana Echevarria, Jan Hasbrouck, Center for Research on the Educational Achievement and Teaching of English Language Learners (CREATE), 2009

Implementation of RTI in Math

HELP Math meets the following recommendations for RTI in Math from the *IES**:

Focus on ensuring mastery of foundation skills	*HELP Math delivers comprehensive instruction in all foundation skills of math; whole numbers, fractions and decimals, concepts and skills, number sense, operations, as well as rational numbers for higher grades. Emphasis is placed on key math milestones: counting, adding, subtracting, grouping, place value, properties of operations, measuring (lengths, time, money), shapes and patterns, and magnitude.*
Explicit and systematic instruction	*HELP Math provides explicit and sequential instruction throughout the lessons, ensuring identification and remediation of any skills deficits. Concepts are broken down into small learning "chunks," enabling increased comprehension.*
Provide models of problem solving, guided practice, constant feedback, frequent review	*A variety of scaffolds and descriptive feedback loops are available in HELP Math, along with built-in review checks. Concept and skill development progresses from easy to more difficult.*
Use visual representations	*As HELP Math is built around sheltered instruction strategies, all math concepts are represented visually and auditorily*
Fluent retrieval of facts (rec. *10 min/day*)	*Fluency practice is built into all HELP Math lessons*
Frequent progress monitoring	*See progress monitoring above*
Include motivational strategies in tier 2 and tier 3 interventions.	*HELP Math utilizes a variety of engaging strategies to deliver instruction and ensure mastery, using a range of virtual manipulatives and tools, such as timelines, fraction wheels, place value charts, hundreds charts, protractor, calculator, thermometer, and includes learning games in each lesson.*

Implementation of RTI for ELL

HELP Math addresses the best practices identified by CREATE (Center for Research on the Educational Achievement and Teaching of English Language Learners) for ELLS **

Use Sheltered Instruction Observation Protocol (SIOP) Model	*HELP Math is "built from the ground up" around sheltered instruction and SIOP strategies*
Exposure to high-quality, appropriate teaching that includes academic English instruction	*See above; sheltered instruction strategies as the foundation for HELP Math, with a focus on developing academic vocabulary*
Use scaffolding, Provide visual clues (extra-linguistic), guided practice	*HELP Math includes built in calculators, hyperlinks to glossaries, feedback loops to build prior knowledge, access to help resources and hints*
Build on students' background knowledge	*HELP Math includes Real World scenarios to increase connections to students' lives, stresses development of academic vocabulary as a foundation to build comprehension*
Use techniques that make the lesson more understandable	*The embedded sheltered instruction strategies built into HELP Math are designed to make math comprehensible to ELL student; e.g., modeling, language support, scaffolding, built-in glossaries with definitions and visuals*
Use repetition and redundant information	*HELP Math provides for constant reinforcement of concepts, through such activities as vocabulary mastery through guided practice, to ensure mastery, as well as articulating these skills across grade levels*
Assess frequently and re-teach as necessary	*HELP Math assesses students in each lesson, and based on results, prescribes appropriate instruction*

For more information, please contact us:
Digital Directions International
www.helpprogram.net
coursehelp@helpprogram.net