2021 – 2022 State of Florida Instructional Materials Adoption

Publisher Questionnaire (Form IM8) Grade K

BID #: 298
SUBMISSION TITLE: *Florida's B.E.S.T. Standards for MATH Grade K*
GRADE LEVEL: Grade K
COURSE TITLE: GRADE K MATH
COURSE CODE #: 5012020
ISBN #: 978-1-64727-676-8
PUBLISHER: Big Ideas Learning, LLC
AUTHOR: Ron Larson and Laurie Boswell

AUTHORS & CREDENTIALS: LIST FULL NAME OF AUTHOR(S), WITH MAJOR OR SENIOR AUTHOR LISTED FIRST. BRIEFLY PROVIDE CREDENTIALS FOR EACH AUTHOR.

Ron Larson, Ph.D., is well known as lead author of a comprehensive and widely used mathematics program that ranges from elementary school through college. He holds the distinction of Professor Emeritus from Penn State Erie, The Behrend College, where he taught for nearly 40 years. He received his Ph.D. in mathematics from the University of Colorado. Dr. Larson engages in the latest research and advancements in mathematics education and consistently incorporates key pedagogical elements to ensure focus, coherence, rigor, and student self-reflection.

Laurie Boswell, Ed.D., is the former Head of School at Riverside School in Lyndonville, Vermont. In addition to authoring textbooks, she provides mathematics consulting and embedded coaching sessions. Dr. Boswell received her Ed.D. from the University of Vermont in 2010. She is a recipient of the Presidential Award for Excellence in Mathematics Teaching and later served as president of CPAM. Laurie has taught math to students at all levels, elementary through college. In addition, Laurie has served on the NCTM Board of Directors and as a Regional Director for NCSM. Along with Ron, Laurie has co-authored numerous math programs and has become a popular national speaker.

Ron Larson and Laurie Boswell used the latest in educational research, along with the body of knowledge collected from expert mathematics educators, to develop the *Florida's B.E.S.T. Standards for MATH* series. In addition, Florida mathematics education and instruction experts served as the advisory panel for this series to ensure the program met the needs of Florida's students and educators.

Big Ideas Learning employs a staff of highly skilled mathematicians with backgrounds in education. Ongoing staff development keeps these writers in touch with the needs of the 21st century classroom. The print and digital ancillaries that accompany the *Florida's B.E.S.T. Standards for MATH* series are written and edited by these trained mathematicians and are invaluable enhancements to the pedagogical soundness of the program.

STUDENTS: DESCRIBE THE TYPE(S) OF STUDENTS FOR WHICH THIS SUBMISSION IS INTENDED.

Florida's B.E.S.T. Standards for MATH was written to reach all Florida learners. Designed to support students of diverse learning styles and abilities, this program empowers students to address their own gaps in knowledge and extend their understanding of key concepts. Florida's Spanish-speaking students receive a blend of print and digital resources that have been carefully translated to provide effective Spanish language support.

1. LIST THE FLORIDA DISTRICTS IN WHICH THIS PROGRAM HAS BEEN PILOTED IN THE LAST EIGHTEEN MONTHS.

Florida's B.E.S.T. Standards for MATH is a new program designed with Florida's new B.E.S.T. Standards and no Florida districts have piloted this program.

2. HOW ARE YOUR DIGITAL MATERIALS SEARCHABLE BY FLORIDA'S ACADEMIC STANDARDS (SECTION 1006.33(1)(e), FLORIDA STATUTES)?

Big Ideas Learning's *Florida's B.E.S.T. Standards for MATH* online learning platform provides the ability to search by Florida State Standards in the PDFs, student eBooks, and dynamic assessments.

3. IDENTIFY AND DESCRIBE THE COMPONENTS OF THE MAJOR TOOL. The Major Tool is comprised of the items necessary to meet the standards and requirements of the category for which it is designed and submitted. As part of this section, include a description of the educational approach of the submission.

Educational Approach: (The information provided here will be used in the instructional materials catalog in the case of adoption of the program. Please limit your response to 500 words or less.)

Big Ideas Learning's *Florida's B.E.S.T. Standards for MATH* program empowers Florida educators and ignites student learning from kindergarten through high school (K-12). Written by a renowned, single authorship team, the program supports the comprehensive teaching of Florida's B.E.S.T. Standards for

Mathematics by developing students' conceptual understanding of key concepts with an intentional progression of content, both within and across grade levels; by giving attention throughout the year to individual benchmarks that set an expectation of fluency; by allowing teachers and students to spend sufficient time working with engaging applications; and by meaningfully connecting the content with the Mathematical Thinking and Reasoning Standards. Grounded in solid pedagogy and extensive research, the program embraces Dr. John Hattie's Visible Learning research and ensures equity and access for all learners. Students gain a deeper understanding of key concepts, develop mathematical fluency, and become mathematical thinkers prepared for success and responsible citizenship.

The program develops rigor by providing opportunities for conceptual understanding, procedural skill and fluency, and application in every lesson. Recognizing that mathematical fluency has conceptual understanding at its foundation, the program intentionally leads students through the fluency stages of exploration, then procedural reliability, and finally procedural fluency with automaticity at the appropriate grade levels. This research-based curriculum uses a combination of discovery and scaffolded instruction, opening doors to abstract thought, reasoning, and inquiry as students persevere to learn each benchmark. Explicitly developed with attention to the details of Florida's B.E.S.T. Standards for Mathematics, the Student and Teaching Edition pages feature the precise language of each Florida benchmark, making expectations clear to both students and teachers. At every step of the way, Learning Targets and Success Criteria guide student awareness of their own learning and provide valuable feedback that drives instruction. In addition, the Mathematical Thinking and Reasoning Standards are fully integrated throughout the Student and Teaching Editions, with custom student-facing MTR questions throughout the lesson and practice, to encourage mathematical mindsets and deeper thinking. The program provides ample and different opportunities for in-class practice, review, and practice for emerging learners to build mathematical understanding, proficiency, and fluency. The text attends to the specialized language of mathematics and helps English Language Learners access the content. The exercise sets support the Mathematical Thinking and Reasoning by prompting students to explain their reasoning, critique the reasoning of others, and engage in non-routine problem solving to reach deep levels of learning.

The unique Teaching Edition provides wide-ranging and effective guidance that includes clear, grade-appropriate explanations of mathematical concepts, integrated support for the MTRs, researched-based instructional strategies, insights about misconceptions, and suggestions for remediating, reinforcing, or enriching the curriculum to address the needs of all learners. Strong support comes from master educator, Laurie Boswell, in the form of Laurie's Notes for point-of-use support for every page in the student text. The program's ancillary package includes both print and online components that are user-friendly and support the teaching of Florida's B.E.S.T. Standards for Mathematics to all students through a blend of multi-media presentations.

Major Tool - Student Components Describe each of the components, including a format description.

Big Ideas Learning's *Florida's B.E.S.T. Standards for MATH Grade K* Student Edition is a 2-volume, consumable student text. Written by renowned authors Ron Larson and Laurie Boswell, this series uses an exploratory approach to engage students' inquiring minds through rich explorations, in-class practice and problem solving, and homework and review practice.

With every lesson showcasing the precise language of the Florida benchmarks, Learning Targets and Success Criteria support and align to those Florida-specific expectations giving students clarity around lesson goals. In each lesson, students have opportunities to explore and discover before learning efficient procedures and applying their learning to realistic scenarios.

Throughout the lessons, Newton and Descartes encourage students to think deeply about concepts and develop strong mathematical mindsets with student-facing Mathematical Thinking and Reasoning (MTR) questions. In-class and homework practice problems also regularly include MTR questions. Incorporation of Model Real Life, Dig Deeper, STEAM Performance Tasks, and other non-routine problems helps students reach deep levels of learning. With real-world, Florida-themed content, students are encouraged to think strategically to solidify math connections and transfer their learning to new contexts in the world around them.

Students make connections through cohesive progressions purposefully and intentionally designed to meet the B.E.S.T. Standards and to help students reach fluency with automaticity. Students also can practice with each stage of fluency in the Building Fluency feature, designed to meet students where they are in their fluency journey.

Major Tool - Teacher Components Describe each of the components, including a format description.

Big Ideas Learning's *Florida's B.E.S.T. Standards for MATH Grade K* Teaching Edition is a 2-volume, spiral-bound text that provides teachers with everything they need to plan, teach, and assess students. Written by co-author Laurie Boswell, Laurie's Notes provide professional development at your fingertips with content overviews, teaching strategies, point-of-use insights, guiding questions, common errors and misconceptions, scaffolding notes, ELL support, resource charts, closures, and much more!

4. IDENTIFY AND DESCRIBE THE ANCILLARY MATERIALS. Briefly describe the ancillary materials and their relationship to the major tool.

Ancillary Materials - Student Components Describe each of the components, including a format description.

Practice Workbook: The consumable Practice Workbook provides students with Review & Refresh practice to improve retention and Evidence-Based Scale Worksheets to measure and monitor their learning of Florida's B.E.S.T. Standards.

Big Idea Learning's *Florida's B.E.S.T. Standards for MATH* Online Student Resources: The Dynamic Student Edition is a complete, interactive version of the Student Edition. Students have access to interactive explorations, digital examples, virtual manipulatives, digital exercises, and interactive games. Students use the Self-Assessment tool to keep track of their understanding of the lesson's Learning Target and Success Criteria. The Skills Trainer provides additional practice.

Ancillary Materials - Teacher Components Describe each of the components, including a format description.

Big Idea Learning's *Florida's B.E.S.T. Standards for MATH* Online Teaching Edition Resources: Big Ideas Learning's *Florida's B.E.S.T. Standards for MATH* Online Teaching Edition Resources include technology features such as Lesson Plans, Differentiating the Lesson, graphic organizers, multi-language glossary and vocabulary cards, interactive online games, the Skills Trainer, Answer Presentation Tool, Dynamic Classroom, and the Dynamic Assessment System. With powerful reporting, teachers can act on formative, summative, and student self-assessment data. Teaching can be taken to the next level with Everyday Connections Videos, Concepts and Skills Videos, point-of-use Laurie's Notes, and the Pedagogical Approach Videos.

Assessment Book: The Assessment Book contains reproducible blackline master assessment materials for teachers to use throughout the year. Assessments include prerequisite skills practice, chapter tests, course benchmarks, pre-course tests, and post-course tests.

Resources by Chapter, Volumes 1 and 2: The Resources by Chapter Book provides teachers with academic leveled reproducible blackline masters to support student learning. These materials include warm-ups that review prior topics and vocabulary, extra practice, a Reteaching feature that teaches skills from the Student Edition by including more steps, an Extension feature for students who mastered the lesson and need more challenges, and a Family Letter to help involve guardians in their student's learning.

Instructional Resources: The Instructional Resources Book includes 4-color reproducible pages to support student learning. This resource houses the Student Edition table of contents, Exploration stories, vocabulary cards, and

copy masters for tools and games referenced throughout the Student and Teaching Editions.

Newton & Descartes's Math Musicals with Differentiated Rich Math Tasks: Newton & Descartes's Math Musicals are educational stories that bring literature, music, and math together to enhance student learning. The Differentiated Rich Math Tasks accompany Newton & Descartes's Math Musicals and include leveled activities that apply and extend math concepts and generate rich and deep classroom discussion.

5. IDENTIFY WHICH INDUSTRY STANDARD PROTOCOLS ARE UTILIZED FOR INTEROPERABILITY?

Florida's B.E.S.T. Standards for MATH supports the following standard protocols for interoperability:

- LTI 1.0, 1.1, and 1.3 are supported as of July 2021
- LTI Advantage support is planned for summer 2022
- Big Ideas Learning also provides integrations with Canvas, Schoology, Clever and Classlink

6. HOW MUCH INSTRUCTIONAL TIME IS NEEDED FOR THE SUCCESSFUL IMPLEMENTATION OF THIS PROGRAM? Identify and explain the suggested instructional time for this submission. If a series, state the suggested time for each level. The goal is to determine whether the amount of content is suitable to the length of the course for which it is submitted.

Each grade level of Big Ideas Learning's *Florida's B.E.S.T. Standards for MATH* series is intended for one academic year or the equivalent thereof. Detailed suggested pacing documents are available to teachers online in editable format for customization. Upon request, Big Ideas Learning is happy to provide additional assistance in adjusting pacing for nonstandard schedules.

7. WHAT PROFESSIONAL DEVELOPMENT IS AVAILABLE? Describe the ongoing learning opportunities available to teachers and other education personnel that will be delivered through their schools and districts as well as the training/in-service available directly from the publisher for successful implementation of the program. Also provide details of the type of training/in-service available and how it may be obtained. (The information provided here will be used in the instructional materials catalog in the case of adoption of the program.)

Comprehensive training and professional development can greatly impact student success with achievement of skills and standards. With the breadth of resources from Big Ideas Learning and National Geographic Learning, we offer research-based, program-related instructional services by experienced and highly trained mathematics consultants to support the needs of each Florida district and school, now and in the future. Our comprehensive professional development approach includes:

- Point of use instruction with digital and print resources
- Onsite and virtual training
- On-demand videos at point of use for further understanding
- Professional development sessions to support the methodology of the program and further develop the capacity of the teachers and administrators to implement *Florida's B.E.S.T. Standards for MATH* with fidelity

Our Service Commitment

At Big Ideas Learning and National Geographic Learning, we believe it is essential to provide the highest level of service, before, during and after an adoption. We understand that teachers are busy. We are here to provide teachers with professional training anytime, anywhere that is:"

- Connected to the instructional materials
- Results-based
- Standards-driven
- Demonstrates the best practices in teaching strategies

Big Ideas Learning and National Geographic Learning are committed to providing quality training support to school districts that adopt our solutions.

Our goal is to provide, at mutually agreed upon times and forums, the following professional learning experiences:

- Training to help teachers, coordinators, and administrators to understand and effectively implement the program in their classrooms
- Hands-on and on-demand technology training on our robust technology package
- Product Related Workshops to build mathematics expertise and capacity

Professional Learning for All Levels of Educators

Successful implementation of a curriculum requires the participation and support of all levels within a school system. Therefore, Big Ideas Learning provides professional learning for multiple adult audiences.

Sessions dedicated to **Administrators (District Leadership Teams) and Building Principals** include developing a comprehensive implementation plan for the district, ensuring district leaders have a working knowledge of program components,

assessment capabilities, and reporting features to inform district-wide decisions, and identifying both short-term and long-term implementation goals.

Math Specialists, Instructional Specialists, Math Coaches, and Differentiation Specialists attend trainings that provide a program overview for both print and digital implementation. These sessions equip coaches and instructional specialists with a more in-depth knowledge of lesson design, pedagogy, and digital integration so that they can be support resources for classroom teachers throughout the long-term implementation of Florida's B.E.S.T. Standards for MATH. Sessions include a comprehensive Train-the-Trainer model as well as professional learning for differentiation, assessment and reporting, and improved teaching practices.

All **Classroom Teachers, ESE and ELL Teachers**, implementing the *Florida's B.E.S.T. Standards for MATH* program receive comprehensive professional learning in the appropriate use of print and digital components to ensure students gain the most academic benefits from the resources available to them. Teachers are guided to make instructional decisions based on individual learning styles, assessment data, and differentiation resources. Resources to support ELL instruction are available in both print and digital formats. Differentiated lesson plans with resources to help remediate and extend learning are available for every lesson at every level.

The **Community** supports students in the same manner as school leaders and classroom teachers. *Florida's B.E.S.T. Standards for MATH* supports students outside the classroom by providing a wealth of digital resources to support learning at home. In-person "Parent University" sessions also provide parents and caregivers an opportunity to learn about the program, participate in interactive activities that encourage student learning at home, and learn how to access and use student features of the digital platform that assist learning.

Professional Learning for All in a Variety of Formats

Big Ideas Learning and National Geographic Learning understand the complex world of the teacher in the classroom as well as district requirements, time constraints, and bandwidth for training. We believe that the best results are gained through implementing *Florida's B.E.S.T. Standards for MATH* with fidelity. Therefore, we provide multiple avenues and delivery methods to ensure that all needs are met, and that successful implementation occurs. We provide training through the following methods:

In-Person Training: Live experts provide face-to-face training for groups of teachers for full- or half-day sessions.

Web Conferencing: Live experts provide 1.5-hour training sessions to large or small groups of participants.

Professional Development Every Day in the Classroom: A unique feature of the *Florida's B.E.S.T. Standards for MATH* program is the incorporation of PD every day for teachers through the Laurie's Notes feature. This embedded guidance for teachers provides support at the beginning of each chapter as well as throughout each lesson. Laurie's Notes are not scripts for teachers but provide suggestions for ways to motivate and engage students in the mathematics, suggestions to promote productive math discussions, suggestions for models or alternate ways to present concepts, reminders to watch for common errors and misconceptions (and how to correct student thinking), strategies for differentiation and ELL support, and a variety of other tools and techniques to ensure student learning. Whether the classroom teacher is a seasoned professional or a new teacher, Laurie's Notes provide valuable pedagogical and practical suggestions to enhance the classroom experience for both teachers and learners.

Recorded Training Video Library: As with in-person training, the recorded training video library guides educators through the implementation of both print and digital resources. This library focuses on the *Florida's B.E.S.T. Standards for MATH* research base, pedagogical approach, lesson design, and digital tools available for successful implementation of our program.

Pedagogical Video Library: Teachers and administrators have access to a professional learning library that includes instruction on pedagogical topics such as content rigor, providing appropriate feedback, guided exploration, making impactful instructional decisions, real-life applications, raising critical thinking through questioning, encouraging productive classroom discussion using appropriate mathematical language, teaching for surface-to-deep-to-transfer levels of learning, providing greater teacher clarity, and more.

Individual face-to-face support: *Florida's B.E.S.T. Standards for MATH* experts deliver one-on-one support for teachers who need additional assistance to ensure the program is being implemented with fidelity, that teachers are comfortable with program components, and that ease-of-use is maximized.

Specific Training Session Descriptions

Administrator Training

Participants: District Administrators and Instructional Leads and Coaches
Facilitator: Big Ideas Learning Consultants in collaboration with National Geographic Learning Consultants
Purpose: This training will introduce administrators, leads, and coaches to Big Ideas Learning programs with a focus on instructional design and successful implementation.

Suggestions will be provided to help leaders understand their role in supporting teachers and coaches.
Outcome: Participants will use their new learning to ensure fidelity in program implementation.
Length: 2-3-hour session

Initial Program Overview Session
Participants: Classroom Teachers
Facilitator: Big Ideas Learning Consultants in collaboration with National Geographic Learning Consultants
Purpose: The initial implementation overview is designed to provide teachers with an understanding of instructional components. This training will offer an overview of the program including organization, instructional resources, and technology.
Outcome: Participants will be able to use their instructional resources to plan, teach, and differentiate instruction effectively in their classrooms. This training is designed to develop teachers' mastery and effectiveness in implementing all aspects of the *Florida's B.E.S.T. Standards for MATH* program.
Length: 3-hour session

Digital Integration Implementation Session
Participants: Classroom Teachers, Teacher Development Specialists, and Curriculum Coordinators
Facilitator: Big Ideas Learning Consultants in collaboration with National Geographic Learning Consultants
Purpose: This hands-on digital integration training session will focus on implementing the technology, understanding the layout and structure, and utilizing the *Florida's B.E.S.T. Standards for MATH* digital content for teaching and learning.
Outcome: This training is designed to inform classroom teachers, specialists, and curriculum coordinators how to effectively and efficiently implement the *Florida's B.E.S.T. Standards for MATH* technology in the classroom.
Length: 3-hour session

Train the Trainer
Participants: Coaches, Lead Teachers, and Instructional Leadership
Facilitator: Big Ideas Learning Consultants in collaboration with National Geographic Learning Consultants
Purpose: This training session extends beyond the content of initial implementation training and into implementation of differentiation, assessment, technology, and instructional practices supporting effective implementation of Big Ideas Learning programs. Leaders are trained in delivering the Beyond the Basics session.
Outcome: This comprehensive level of training will maximize capacity by training coaches and lead teachers to effectively implement Big Ideas Learning programs with

fidelity. This comprehensive training will provide opportunities to empower and build sustainable success from within the school district.
Length: 3-hour session

Beyond the Basics Workshop
Participants: Classroom Teachers and Instructional Coaches
Facilitator: Big Ideas Learning Consultants
Purpose: This training increases teacher depth of knowledge and confidence using *Florida's B.E.S.T. Standards for MATH* by focusing on technology, differentiation, and assessment.
Outcome: Upon completion of this session, participants will be able to apply understanding of differentiation to daily instruction, utilize various formative and summative assessment resources to target instruction, and use technology to enhance instructional delivery and student learning.
Length: 3-hour session

Assessment Resources and Preparation
Participants: Classroom Teachers, Teacher Development Specialists, and Curriculum Coordinators
Facilitator: Big Ideas Learning Consultants
Purpose: This session focus on the different types of support *Florida's B.E.S.T. Standards for MATH* offers teachers in preparing their students for high-stakes tests.
Outcome: Upon completion of this session, teachers will be able to administer and review online tests and quizzes through the Dynamic Assessment System, utilize various formative and summative assessment resources to target instruction, and locate other assessment resources *Florida's B.E.S.T. Standards for MATH* has to offer. Teachers will be able to respond effectively to data from the program's progress monitoring and other assessment instruments.
Length: 3-hour session

Customized Follow-Up Webinars*
Participants: Classroom Teachers and District Personnel
Facilitator: Big Ideas Learning Consultants
Purpose: Big Ideas Learning will provide continued implementation support for various program components. Sessions are designed to provide ongoing support and meet the needs of teachers after they have begun implementing the program.
Outcome: Participants will be able to confidently integrate best practices into their daily instruction using the *Florida's B.E.S.T. Standards for MATH* program resources and instructional support. Sessions are designed to provide both individual and group support for implementing the program with fidelity for maximum results in student achievement.

How to schedule implementation training and professional development:
Please contact your National Geographic Learning representative to schedule training and professional development.

8. WHAT HARDWARE/EQUIPMENT IS REQUIRED? List and describe the hardware/equipment needed to implement the submission in the classroom. REMEMBER: Florida law does not allow hardware/equipment to be included on the bid; however, schools and districts must be made aware of the hardware/equipment needed to fully implement this program.

We officially support the following configurations:

Device	Web site	Ebook app	Homework app
Tablets / Mobile devices	iPadOS/iOS 14+ running Safari Android 10+ running Chrome 90+	iPadOS/iOS 12+ Android 10+	iPadOS/iOS 12+ Android 10+
Desktop/laptop	macOS 10.13+ running Safari 13.1+ or Chrome 90+ Windows 10 running Chromium Edge 90+ or Chrome 90+	n/a	n/a
Chromebook	Chrome OS running Chrome 90+	Chrome OS 90+	Chrome OS 90+

Whitelist requirements:
Visit https://support.bigideasmath.com/hc/en-us/articles/360008650973-Big-Ideas-Learning-Online-Platform-Whitelist for more information.

Implementation requirements:
- JavaScript required
- Cookies required
- Pop-ups must be allowed for *.bigideasmath.com

Bandwidth requirements:
- Minimum 512Kbps per user; recommended 1.0Mbps per user

9. WHAT LICENSING POLICIES AND/OR AGREEMENTS APPLY? If software is being submitted, please attach a copy of the company's licensing policies and/or agreements.

The Big Ideas Learning online learning platform's Terms of Use are available at:
https://www.bigideasmath.com/external/terms/

10. WHAT STATES HAVE ADOPTED THE SUBMISSION? List any states in which this submission is currently adopted.

Florida's B.E.S.T. Standards for MATH is a new program designed with Florida's new B.E.S.T. Standards and is being submitted for the first time in the Florida 2021-2022 adoption.

11. WHAT OPEN EDUCATIONAL RESOURCES RELATED TO THIS BID DO YOU MAKE AVAILABLE(S)? List and describe each of the components, including a format description. (Open Educational Resources (OER) are high-quality, openly licensed, online educational materials that offer an extraordinary opportunity for people everywhere to share, use and reuse knowledge.)

Big Ideas Learning offers a variety of Open Educational Resources (OER) that empower all students to expand their learning beyond the classroom. These include:

- Easy Access is a free resource portal that gives students access to the Student Edition of their program from anywhere.
- Math Musicals, offered for Grades K-5, are a free interactive way for students to connect music, literature, and math. Students can read the stories and sing along with the musicals, all while strengthening their math skills.

12. ALTHOUGH NOT CALLED FOR IN THE STATE ADOPTION, DO YOU HAVE ADVANCED PLACEMENT (AP) OR ACCELERATED PROGRAM INSTRUCTIONAL MATERIALS AVAILABLE FOR THE COURSE(S) BID FOR ADOPTION?

Big Ideas Learning does not offer AP or Accelerated program instructional materials for Grades K-2.

13. WHAT, IF ANY, FOREIGN LANGUAGE TRANSLATIONS DO YOU HAVE AVAILABLE?

Florida's B.E.S.T. Standards for MATH offers students and teachers a blend of print and digital resources for Spanish language support. *Florida's B.E.S.T. Standards for MATH* Spanish Student Edition, Spanish Assessment Book, and Spanish (B.E.S.T. Test Prep and) Practice Workbook are available in print on demand and digital.

Our Family Letters offer parents and caregivers help to make real-world and at-home connections to develop language and mathematical skills. The Multi-Language Glossary, accessible via the Dynamic Classroom, provides translations of key vocabulary terms. Both Family Letters and Multi-Language Glossary are available in 16 languages: Arabic, Armenian, Cantonese, English, French, Haitian Creole, Hmong,

Khmer, Korean, Portuguese, Punjabi, Russian, Spanish, Tagalog, Urdu, and Vietnamese.

14. DO YOU PROVIDE ACCESS POINT SCAFFOLDING OR AN ACCESS POINT CORRELATION UPON REQUEST?

Yes, access point correlations will be provided upon request.

15. ESSA LEVELS OF EVIDENCE: To be considered an evidence-based program (or practice), it is required to have evidence to show that the program is in fact effective at producing results and improving outcomes in reading when implemented. Identification of evidence level alignment, Levels 1-4 (as outlined in the K-12 ELA Specifications), for the entirety of the program, part of the program, or individual practices within the program is required. Please explain how your product meets these requirements.

National Geographic Learning and Big Ideas Learning are committed to providing results-driven solutions to improve student outcomes. Programs' research bases align to evidence levels resulting in high-quality mathematics programs for grades K through 12.

Ron Larson and Laurie Boswell used the latest in educational research, along with the body of knowledge collected from expert mathematics educators, to develop the *Florida's B.E.S.T. Standards for MATH* series. The pedagogical approach used in this program follows the best practices outlined in the most prominent and widely accepted educational research, including:

- B.E.S.T. Standards for Mathematics, Florida Department of Education ©2020
- *Visible Learning*, John Hattie ©2009
- *Visible Learning* for Mathematics, John Hattie ©2017
- *Visible Learning Feedback*, John Hattie ©2018
- *Teaching Mathematics in the Visible Learning Classroom*, Grades K–2, John Almarode, Douglas Fisher, Kateri Thunder, John Hattie, and Nancy Frey ©2019
- *Teaching Mathematics in the Visible Learning Classroom, Grades 3-5* John Almarode, Douglas Fisher, Kateri Thunder, Sara Delano Moore, John Hattie, and Nancy Frey ©2019
- *Teaching Mathematics in the Visible Learning Classroom*, *Grades 6–8*, John Almarode, Douglas Fisher, Joseph Assof, Sara Delano Moore, John Hattie, and Nancy Frey ©2018
- *Teaching Mathematics in the Visible Learning Classroom, High School* John Almarode, Douglas Fisher, Joseph Assof, John Hattie, and Nancy Frey ©2018

- *The Teacher Clarity Playbook*, Grades K–12, Douglas Fisher, Nancy Frey, Olivia Amador, and John Hattie ©2018
- *The Distance Learning Playbook*, Grades K–12, Douglas Fisher, Nancy Frey, and John Hattie ©2020
- *Principles to Actions: Ensuring Mathematical Success for All*, NCTM ©2014
- *Adding It Up: Helping Children Learn Mathematics*, National Research Council ©2001
- *Mathematical Mindsets: Unleashing Students' Potential through Creative Math, Inspiring Messages and Innovative Teaching*, Jo Boaler ©2015
- *What Works in Schools: Translating Research into Action*, Robert Marzano ©2003
- *Classroom Instruction That Works: Research-Based Strategies for Increasing Student Achievement*, Marzano, Pickering, and Pollock ©2001
- *Principles and Standards for School Mathematics*, NCTM ©2000
- *Rigorous PBL by Design: Three Shifts for Developing Confident and Competent Learners*, Michael McDowell ©2017
- *Universal Design for Learning Guidelines*, CAST ©2011
- *Rigor/Relevance Framework®*, International Center for Leadership in Education
- *Understanding by Design*, Grant Wiggins and Jay McTighe ©2005
- Achieve, ACT, and The College Board
- *Elementary and Middle School Mathematics: Teaching Developmentally*, John A. Van de Walle and Karen S. Karp ©2015
- *Evaluating the Quality of Learning: The SOLO Taxonomy*, John B. Biggs & Kevin F. Collis ©1982
- *Unlocking Formative Assessment: Practical Strategies for Enhancing Students' Learning in the Primary and Intermediate Classroom*, Shirley Clarke, Helen Timperley, and John Hattie ©2004
- *Formative Assessment in the Secondary Classroom*, Shirley Clarke ©2005
- *Improving Student Achievement: A Practical Guide to Assessment for Learning*, Toni Glasson ©2009

Using John Hattie's *Visible Learning* research, Ron Larson and Laurie Boswell identified five of the highest-impact strategies under teachers' control and purposefully focused on them throughout the program.

Teacher Clarity
Learning Targets and Success Criteria are provided for every chapter and lesson and reflect the Florida B.E.S.T. Standards for Mathematics, allowing teachers to clearly communicate where students are headed in their learning.

Feedback
Providing students with timely feedback is key in helping students make connections and further their understanding. It provides students with a means to

determine what they are learning, where they are in the learning, and where they are going next.

Classroom Discussion
As outlined in MTR 4.1, when students can discuss purposeful questions, they hone their ability to mathematically communicate, construct arguments, and justify conclusions. Turn and Talk, found in Laurie's Notes, allows students to frequently analyze each other's mathematical thinking.

Direct Instruction
A hallmark of Florida's B.E.S.T. Standards for MATH is its explicit instructional guidance and carefully designed examples that follow exploration and help students build procedural fluency.

Spaced Practice
Students must revisit concepts over time so deeper learning occurs. The Review & Refresh exercises in every lesson and at the end of every chapter provide ongoing practice so students continue to build fluency.

These five strategies are reinforced throughout the *Florida's B.E.S.T. Standards for MATH* program and are proven to have the greatest impact on student achievement.

The research used to build the program, along with the high-impact teaching strategies, is a strong indication that *Florida's B.E.S.T. Standards for MATH* will have a positive effect on students and likely improve student outcomes.