GRADES K – 4
Math-at-Home Resources

Miami-Dade County Public Schools
Department of Mathematics

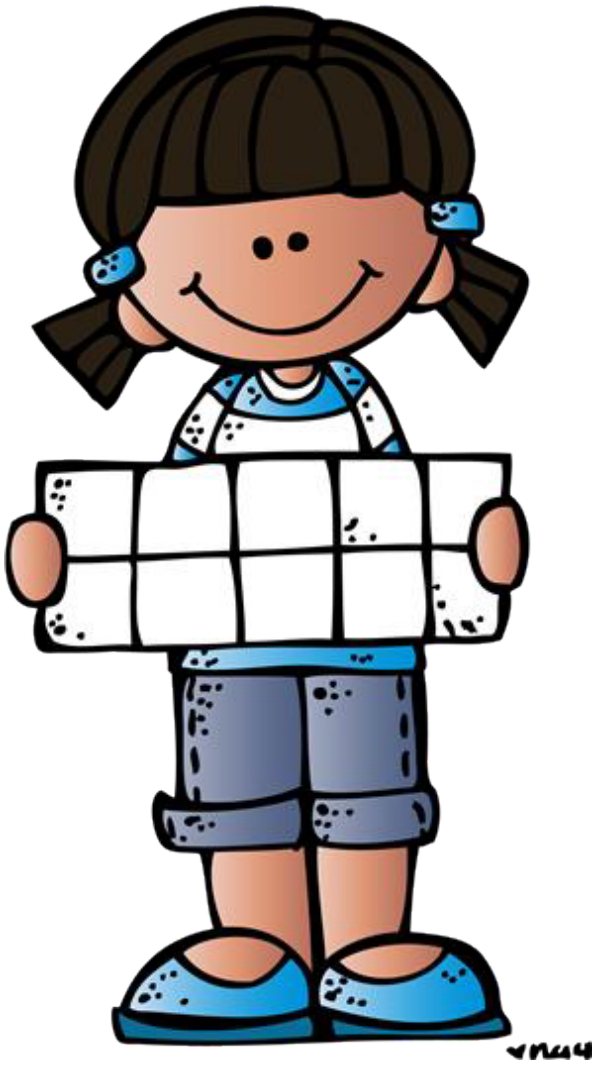
MATH-AT-HOME RESOURCES OVERVIEW

Florida Statute 1008.25 requires school districts to identify and provide immediate, tailored instruction to students in grades K-4 who exhibit a substantial deficiency in math or characteristics of dyscalculia. As such, parents are also provided with a "math-at-home plan," which outlines strategies and resources that parents can use to help their children improve in mathematics.

Each Grade Level Math-at-Home section includes the following resources:

- Grade Level Mathematics Resources Toolkit
- Big Ideas Learning Homework and Practice QR Codes

KINDERGARTEN



Grade K Mathematics Resources Toolkit

The Grade K Mathematics Resource Toolkit is intended to provide recommended guidance to parents in assisting their child with the Florida Benchmarks for Excellent Student Thinking (B.E.S.T.) Standards. This resource toolkit includes Grade K standards information and resources related to the Grade K curriculum to aid in preparing your child for the Mathematics Florida Assessment of Student Thinking (FAST) Assessment.

Grade K Mathematics Resources

This section features links to resources and tools to allow you to assist your child at home.

Student and Parent Resources

- Grade K FLDOE Instructional Resource Math Toolkit Videos
- Grade K Mathematics Student Resources
- Renaissance Star Sample Test Items

Grade K Mathematics Course Description

Course descriptions provide an overview of the required standards for the course. The Grade K mathematics course description includes resources for all 37 standards within the Grade K mathematics course.

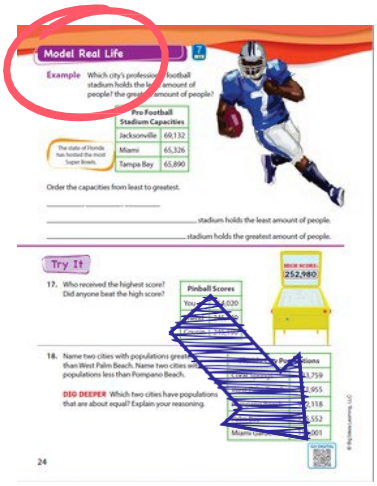
Big Ideas Learning

Using Big ideas Learning Homework & Practice **QR Codes in Kindergarten**

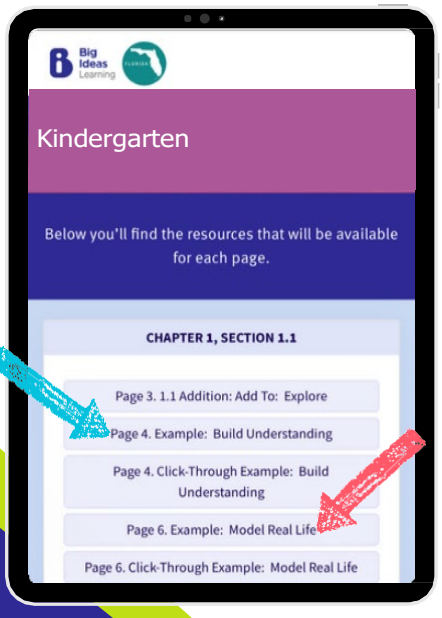
Each Homework and Practice page has a QR Code® to link students and parents to at-home videos for each lesson. This provides access to the videos that align to the lessons, including click-through example videos.

Homework & Practice videos are available for **Build Understanding** and **Model Real Life** sections of each lesson.

STEP 1:
To access videos, scan the QR Code at the bottom of your child's Student Edition book.



STEP 2:
Open your cell phone camera or a QR Code scanner app. Scan QR Code at the bottom of the page.



STEP 3:
Select **Build Understanding** or **Model Real Life** to access the videos that provide the examples from your child's class instruction. Use the remaining links should you need additional support or further math skills assistance.

GRADE 1

Grade 1 Mathematics Resources Toolkit

The Grade 1 Mathematics Resource Toolkit is intended to provide recommended guidance to parents in assisting their child with the Florida Benchmarks for Excellent Student Thinking (B.E.S.T.) Standards. This resource toolkit includes Grade 1 standards information and resources related to the Grade 1 curriculum to aid in preparing your child for the Mathematics Florida Assessment of Student Thinking (FAST) Assessment.

Grade 1 Mathematics Resources

This section features links to resources and tools to allow you to assist your child at home.

Student and Parent Resources

- Grade 1 FLDOE Instructional Resources Math Toolkit Videos
- Grade 1 Mathematics Student Resources
- Renaissance Star Sample Test Items

Grade 1 Mathematics Course Description

Course descriptions provide an overview of the required standards for the course. The Grade 1 mathematics course description includes resources for all 41 standards within the Grade 1 mathematics course.

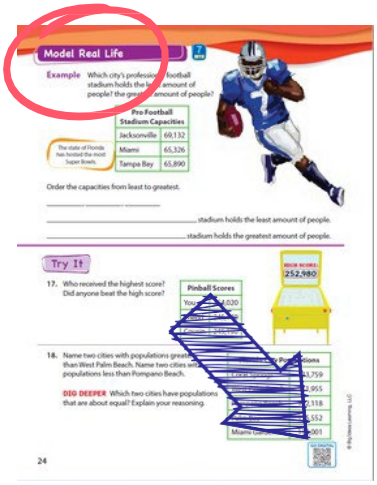
Big Ideas Learning

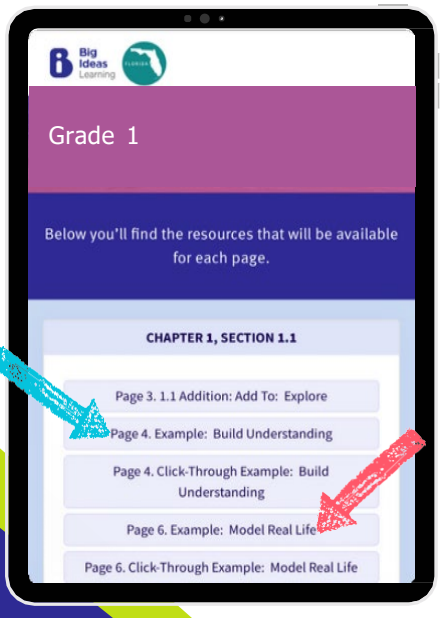
Using Big ideas Learning Homework & Practice **QR Codes in Grade 1**

Each Homework and Practice page has a QR Code® to link students and parents to at-home videos for each lesson. This provides access to the videos that align to the lessons, including click-through example videos.

Homework & Practice videos are available for **Build Understanding** and **Model Real Life** sections of each lesson.

STEP 1:
To access videos, scan the QR Code at the bottom of your child's Student Edition book.

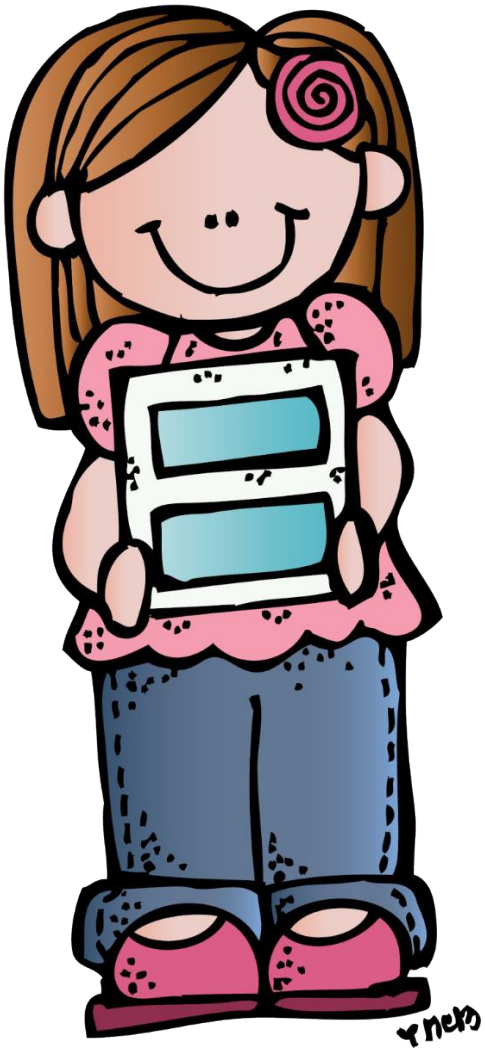




STEP 2:
Open your cell phone camera or a QR Code scanner app. Scan QR Code at the bottom of the page.

STEP 3:
Select **Build Understanding** or **Model Real Life** to access the videos that provide the examples from your child's class instruction. Use the remaining links should you need additional support or further math skills assistance.

GRADE 2



Grade 2 Mathematics Resources Toolkit

The Grade 2 Mathematics Resource Toolkit is intended to provide recommended guidance to parents in assisting their child with the Florida Benchmarks for Excellent Student Thinking (B.E.S.T.) Standards. This resource toolkit includes Grade 2 standards information and resources related to the Grade 2 curriculum to aid in preparing your child for the Mathematics Florida Assessment of Student Thinking (FAST) Assessment.

Grade 2 Mathematics Resources

This section features links to resources and tools to allow you to assist your child at home.

Student and Parent Resources

- Grade 2 FLDOE Instructional Resource Math Toolkit Videos
- Grade 2 Mathematics Student Resources
- Renaissance Star Sample Test Items

Grade 2 Mathematics Course Description

Course descriptions provide an overview of the required standards for the course. The Grade 2 mathematics course description includes resources for all 42 standards within the Grade 2 mathematics course.

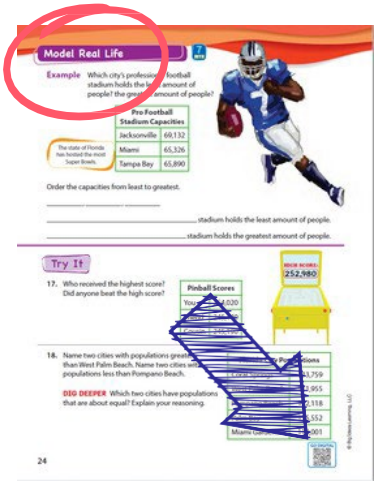
Big Ideas Learning

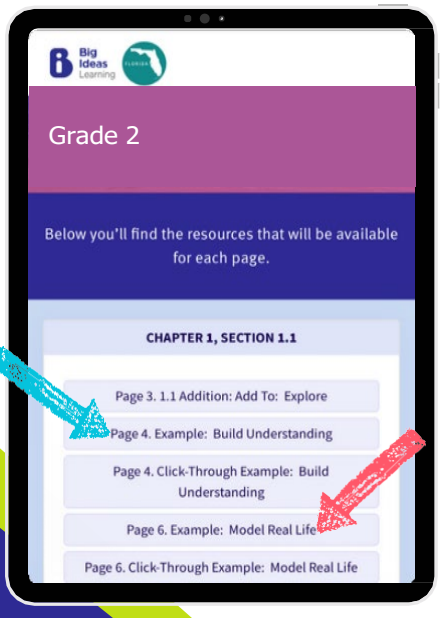
Using Big ideas Learning Homework & Practice
QR Codes in Grade 2

Each Homework and Practice page has a QR Code® to link students and parents to at-home videos for each lesson. This provides access to the videos that align to the lessons, including click-through example videos.

Homework & Practice videos are available for **Build Understanding** and **Model Real Life** sections of each lesson.

STEP 1:
To access videos, scan the QR Code at the bottom of your child's Student Edition book.





STEP 2:
Open your cell phone camera or a QR Code scanner app. Scan QR Code at the bottom of the page.

STEP 3:
Select **Build Understanding** or **Model Real Life** to access the videos that provide the examples from your child's class instruction. Use the remaining links should you need additional support or further math skills assistance.

GRADE 3

Grade 3 Mathematics Resources Toolkit

The Grade 3 Mathematics Resource Toolkit is intended to provide recommended guidance to parents in assisting their child with the Florida Benchmarks for Excellent Student Thinking (B.E.S.T.) Standards. This resource toolkit includes Grade 3 standards information and resources related to the Grade 3 curriculum to aid in preparing your child for the Mathematics Florida Assessment of Student Thinking (FAST) Assessment.

Grade 3 Mathematics Resources

This section features links to resources and tools to allow you to assist your child at home.

Student and Parent Resources

- Grade 3 FLDOE Instructional Resource Math Toolkit Videos
- Grade 3 Mathematics Florida Students Resources

Grade 3 Mathematics Course Description

Course descriptions provide an overview of the required standards for the course. The Grade 3 mathematics course description includes resources for all 42 standards within the Grade 3 mathematics course.

Florida Department of Education: Students & Families Resources

General information and resources about the Florida Assessment of Student Thinking (FAST) can be found here for students and parents.

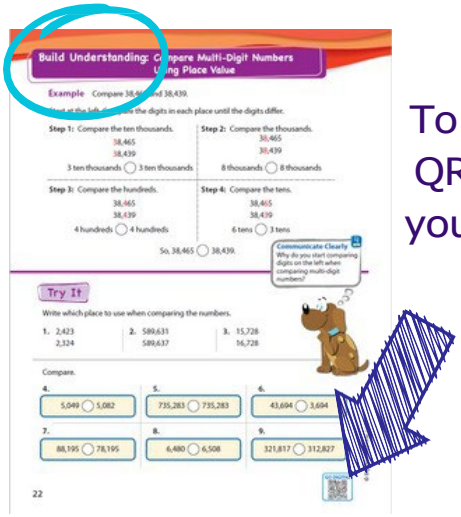
Information retrieved from fldoe.org and cpalms.org

Big Ideas Learning

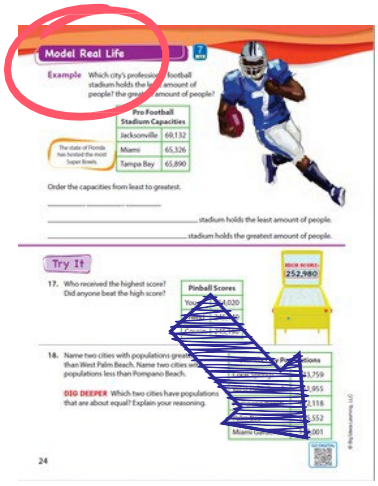
Using Big ideas Learning Homework & Practice **QR Codes in Grade 3**

Each Homework and Practice page has a QR Code® to link students and parents to at-home videos for each lesson. This provides access to the videos that align to the lessons, including click-through example videos.

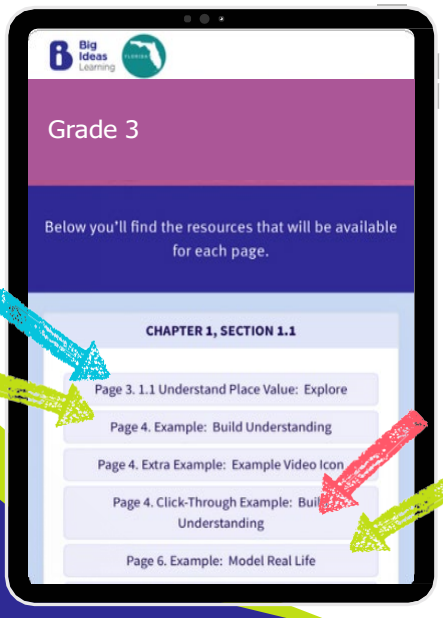
Videos are available for **Build Understanding** and **Model Real Life** with **Extra Example Videos** sections of each lesson.



STEP 1:
To access videos, scan the QR Code at the bottom of your child's Student Edition book.

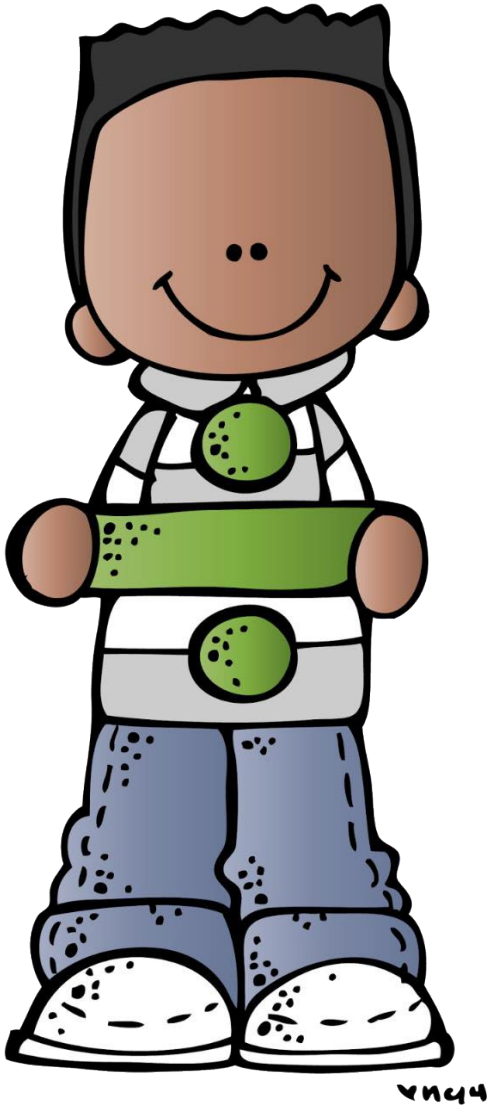


STEP 2:
Open your cell phone camera or a QR Code scanner app. Scan QR Code at the bottom of the page.



STEP 3:
Select **Build Understanding** or **Model Real Life** to access the videos that provide the examples from your child's class instruction. Use the **Extra Example Videos** should you need additional support or further math skills clarification.

GRADE 4



Grade 4 Mathematics Resources Toolkit

The Grade 4 Mathematics Resource Toolkit is intended to provide recommended guidance to parents in assisting their child with the Florida Benchmarks for Excellent Student Thinking (B.E.S.T.) Standards. This resource toolkit includes Grade 4 standards information and resources related to the Grade 4 curriculum to aid in preparing your child for the Mathematics Florida Assessment of Student Thinking (FAST) Assessment.

Grade 4 Mathematics Resources

This section features links to resources and tools to allow you to assist your child at home.

Student and Parent Resources

- Grade 4 FLDOE Instructional Resource Math Toolkit Videos
- Grade 4 Mathematics Florida Students Resources

Grade 4 Mathematics Course Description

Course descriptions provide an overview of the required standards for the course. The Grade 4 mathematics course description includes resources for all 54 standards within the Grade 4 mathematics course.

Florida Department of Education: Students & Families Resources

General information and resources about the Florida Assessment of Student Thinking (FAST) can be found here for students and parents.

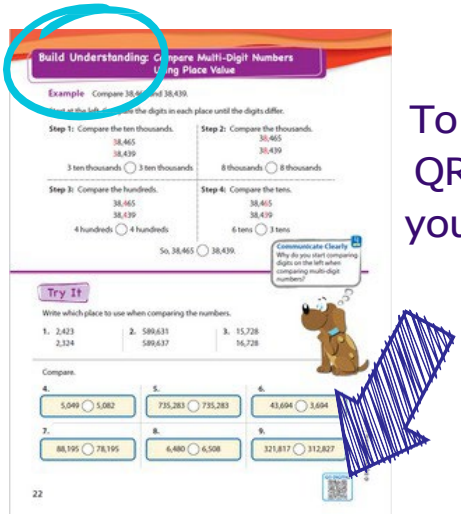
Information retrieved from fldoe.org and cpalms.org

Big Ideas Learning

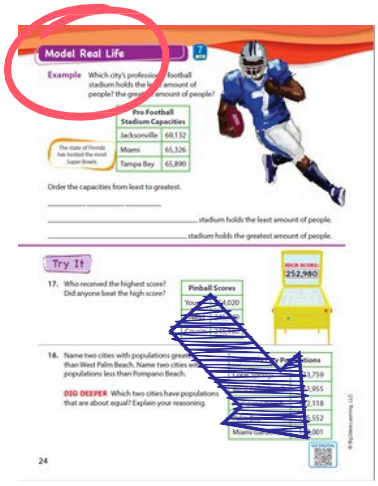
Using Big ideas Learning Homework & Practice
QR Codes in Grade 4

Each Homework and Practice page has a QR Code® to link students and parents to at-home videos for each lesson. This provides access to the videos that align to the lessons, including click-through example videos.

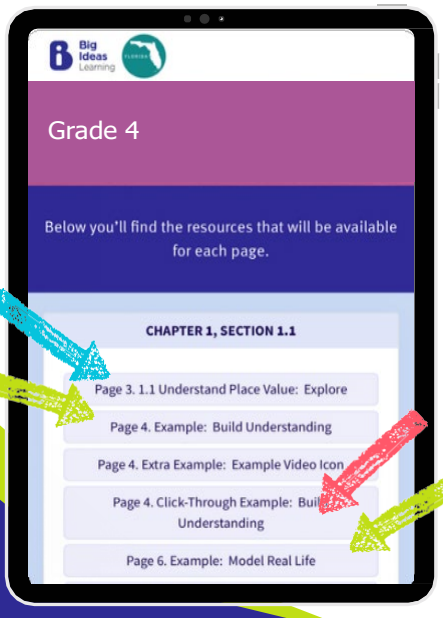
Videos are available for **Build Understanding** and **Model Real Life** with **Extra Example Videos** sections of each lesson.



STEP 1:
To access videos, scan the QR Code at the bottom of your child's Student Edition book.



STEP 2:
Open your cell phone camera or a QR Code scanner app. Scan QR Code at the bottom of the page.



STEP 3:
Select **Build Understanding** or **Model Real Life** to access the videos that provide the examples from your child's class instruction. Use the **Extra Example Videos** should you need additional support or further math skills clarification.

FLDOE MATHEMATICS-AT-HOME PLAN RESOURCES

A mathematics-at-home plan is required to be provided to parents of any student in a Voluntary Prekindergarten (VPK) Education Program provided by a public school who exhibits a substantial deficiency in early mathematics skills and any K-4 student who has been identified with a substantial deficiency in mathematics as stated in Rule 6A-6.0533, Florida Administrative Code (F.A.C.), Determining Substantial Math Deficiency.

The Florida Department of Education has compiled resources that each district must include in a mathematics-at-home plan provided to the parent of a student who is identified as having a substantial mathematics deficiency. A home-based plan includes information and resources connected to the areas of emphasis for each grade level. These resources are available in an electronic format that is accessible online, and a hardcopy of such resources must be provided by the school upon parent request. To access these resources digitally, click on each link provided.

This document is intended to be utilized in conjunction with each district-supplied mathematics-at-home plan as required by Section (s.) 1008.25(6), Florida Statutes (F.S.).

Supports for Parental Involvement

The Benchmarks for Excellent Student Thinking (B.E.S.T.) Standards for Mathematics constitute the foundational mathematical benchmarks for Florida students, serving to ensure the delivery of a world-class education that prepares students for prosperous futures in college, military and career opportunities. Parental involvement is an important part of a student's education. To foster a collaborative and supportive educational environment, the Florida Department of Education has implemented comprehensive measures to engage parents of students, including those who have been identified as having a deficiency in mathematics. Recognizing the importance of family engagement in a student's educational journey, dedicated Parent Guides have been crafted to provide families with insights into the B.E.S.T. Mathematics Standards. For more information, please visit https://www.fldoe.org/academics/standards/subject-areas/math-science/mathematics/parent-resources.stml.

Mathematics Deficiency and Parental Notification

Any student in a VPK Education Program provided by a public school who exhibits a substantial deficiency in early mathematics skills and any student in kindergarten through grade 4 who exhibits a substantial deficiency in mathematics or the characteristics of dyscalculia based upon screening, diagnostic, progress monitoring or assessment data; statewide assessments; or teacher observations must:

- Be provided systematic and explicit mathematics instruction through daily targeted small group mathematics intervention or supplemental, evidence-based mathematics interventions before or after school, or both, delivered by a highly qualified teacher of mathematics or a trained tutor.
- The student's performance must be monitored and adjusted based on student need, until the student demonstrates grade level proficiency in a manner determined by the district.

Parents will immediately receive notification in writing:

- That his or her child has been identified as having a substantial deficiency in mathematics, including a description of the deficiency.
- Explanation of the exact nature of the student's difficulty in learning and lack of achievement in mathematics.
- Description of the current services that are provided.
- Description of the proposed intensive interventions and supports that will be provided to the child that are designed to remediate the identified area of mathematics deficiency and timely updates.
- Strategies through a home-based plan the parent can use in helping his or her child succeed in mathematics, including access to resources.

School Choice

Florida recognizes the significant role education plays in a child's life along with the right of parents to find the best education for their child. The Office of Independent Education and Parental Choice supports quality public and private education choice programs. Within this expansive framework, parents can navigate through an array of educational choices, ensuring a tailored approach that aligns with the unique learning requirements of their children. This includes access to scholarships, private and charter schools, reflecting the commitment of Florida to provide a comprehensive spectrum of educational opportunities. The Office of Independent Education and Parental Choice is a valuable repository of information regarding education options. For more information, please visit https://www.fldoe.org/schools/school-choice/.

Division of Early Learning
Early education can be an important time during a student's educational career. In partnership with 30 early learning coalitions and the Redlands Christian Migrant Association, the Division of Early Learning oversees three programs: School Readiness, VPK and Child Care Resource and Referral. These programs collectively play a role in shaping the early educational experiences of students, laying a foundation for future academic success. Parents can access resources that will help them choose the right provider for their child and family. For more information, please visit https://www.fldoe.org/schools/early-learning/parents/.

Military Families
Florida hosts the 5th largest population of active-duty service personnel spanning all five branches of the United States Military. A dependent child of an active member of the armed forces may be eligible for educational opportunities under either branch of the Family Empowerment Scholarship Program (see s. 1002.394, F.S.). Families may receive financial assistance for tutoring and access to added education options, such as transportation, private school or other customized learning services and materials for students as young as 3 years of age. For more information, please visit https://www.fldoe.org/schools/school-choice/other-school-choice-options/military-families/.

Identifying and Evaluating a Student for Exceptional Student Education
When a parent or caregiver is concerned about a student who is performing significantly below grade level expectations or suspects that a student may have a disability, consider the following information:

- A medical diagnosis alone is insufficient to determine eligibility for exceptional student education. It is additional information that can be considered when collecting and reviewing student-specific data (information).
- Based on federal regulations, after completing the administration of assessments and other evaluation measures, the school district and a group of qualified professionals consisting of the parent and school staff determine if the child meets eligibility criteria for a disability category (Title 34, s. 300.306, Code of Federal Regulations).
- If a parent submits documentation from a licensed psychologist or licensed school psychologist (Chapter 490, Florida Statutes) that demonstrates that a student has been diagnosed with dyscalculia and also identifies the student's specific areas of difficulty, then evidence-based interventions must be initiated upon receipt of that documentation (see s. 1008.25(6), F.S.).

The Bureau of Exceptional Education and Student Services provides resources to guide parents, teachers and caregivers through the process of identifying and evaluating a student who is suspected of being a student with a disability and in need of exceptional student education and related services.

Characteristics of Specific Learning Disability
Specific Learning Disability is a term that describes an Exceptional Student Education eligibility category that refers to learning disorders that can affect a student's ability to read, write, listen, speak, reason and apply basic math skills. Rule 6A-6.03018, F.A.C., Exceptional Education Eligibility for Students with Specific Learning Disabilities, defines a specific learning disability as "a disorder in one or more of the basic learning processes involved in understanding or in using language, spoken or written, that may manifest in significant difficulties affecting the ability to listen, speak, read, write, spell or do mathematics." Dyscalculia is included among the "associated conditions" of a specific learning disability.

Dyscalculia is a specific learning disability in mathematics. It affects areas of the brain that deal with number-related skills and understanding. The primary characteristics of dyscalculia could include the following: number sense, memorization of math facts, calculation and mathematical reasoning. When determining if a student exhibits characteristic(s) of dyscalculia, at least one of these characteristics should have persisted for at least six months despite interventions, and skills should be substantially below those expected for grade level.

Prekindergarten and Kindergarten	Grades 1-4
Building a solid foundation in mathematics involves many different skills. Young children/students with learning disabilities may have difficulty: ➢ Recognizing numbers and matching numbers with amounts (e.g., connecting the number 3 to that many objects in front of them). ➢ Sorting objects by shape, size or color. ➢ Recognizing groups and patterns. ➢ Comparing and contrasting using concepts like smaller/bigger or taller/shorter. ➢ Organizing numbers, such as largest to smallest or first to last.	As mathematics learning continues through the elementary grades, students with learning disabilities may have difficulty: ➢ Doing simple calculations from memory. ➢ Solving basic math problems using addition, subtraction, multiplication and division. ➢ Figuring out how to apply their knowledge and skills to solve math problems. ➢ Recognizing and using number lines. ➢ Learning to use money (i.e., coins or bills). ➢ Reading an analog clock. ➢ Retaining basic math facts (e.g., memorizing multiplication tables). ➢ Understanding place value, often putting numbers in the wrong column. ➢ Understanding word problems or more advanced symbols (i.e., > meaning "greater than" or < meaning "less than"). ➢ Organizing numbers by scale (10s, 100s, 1,000s) or decimal place (0.1, 0.01, 0.001). ➢ Understanding what is written on a board or in a textbook due to visual-spatial difficulties.

For more information, please visit https://www.fldoe.org/academics/exceptional-student-edu/ese-eligibility/specific-learning-disabilities-sld/index.stml.

New Worlds Scholarship Account

The New Worlds Scholarship Account provide $1,200 scholarships to eligible VPK-5 students who:

- show a substantial deficiency in early literacy or early mathematics skills,
- show a substantial deficiency in reading or mathematics,
- exhibit characteristics of dyslexia or dyscalculia, or
- score below a level 3 on the most recent statewide, standardized English Language Arts (ELA) or mathematics assessment.

The program offers parents/guardians access to education savings accounts to pay for tuition and fees related to part-time tutoring, summer and after-school literacy or mathematics programs, and instructional materials. Your child may be eligible for a New Worlds Scholarship Account. For more information, please visit https://www.fldoe.org/schools/school-choice/k-12-scholarship-programs/reading/.

English Language Learners

English Language Learners (ELLs) have a wide variety of supports available to increase essential performance in mathematics. Recognizing the unique needs of ELLs, each LEA has crafted an individualized English Language Learner Plan, which serves as a strategic blueprint outlining targeted strategies and valuable resources aimed at fostering the academic success of ELLs. More information may be found at https://www.fldoe.org/academics/eng-language-learners/index.stml.

Overview of Assessment Types

As students progress from kindergarten, they should be steadily developing the skills needed to become grade-level mathematicians. While students are learning to do math, educators and parents can monitor students to see if they are on track with grade-level expectations. Florida uses various types of assessments to monitor students' progress in mathematics.

ASSESSMENT	PURPOSE
Screening	The purpose of screening is to identify the likelihood (probability) of risk or success in mathematics achievement. Educators can also use screening to measure the effectiveness of Tier 1, or core, instruction in the classroom and identify students needing more intensive interventions and supports (Tier 2 and 3 supports).
Progress Monitoring	The purpose of progress monitoring is to determine whether students are learning the skills taught throughout the school year. Progress monitoring can be done at the state level or the local level. Progress monitoring can also be referred to as interim assessments.
Diagnostic	The purpose of a diagnostic assessment is to identify a student's strengths and weaknesses for students identified as at-risk on a screening assessment.
Formative	The purpose of formative assessments is to monitor student learning to provide ongoing feedback that can be used by educators to identify the current state of the learner's knowledge and skills. More specifically, educators can use formative assessment on a regular basis to monitor student learning and adjust their current instruction to meet the needs of the learner in real time.
Summative	The purpose of summative, or outcome, assessments is to evaluate students' performance relative to a set of content standards generally administered at the end of the school year.

Statewide Mathematics Assessments

All Florida students participate in the state's assessment and accountability system. The primary goal of these assessments is to provide information about student learning in Florida, as required by Florida law (see s. 1008.22, F.S.).

- Coordinated Screening and Progress Monitoring System: Also known as the Florida Assessment of Student Thinking (FAST), these assessments provide information in mastering grade-level standards for PreK-8 and provide information on students' progress to parents, teachers and school and program administrators. FAST assessments are administered during three Progress Monitoring (PM) windows: beginning of the school year (PM1), middle of the school year (PM2) and end of the school year (PM3). **For grades 3-8 FAST Mathematics PM3: In accordance with s. 1008.22(3)(a), F.S., PM3 will be considered the statewide, standardized assessment in mathematics and will be used for accountability purposes.*
- Florida Alternate Assessment (FAA): The FAA is aligned with Access Points - Alternate Academic Achievement Standards (AP-AAAS). AP-AAAS reflects the most salient content of Florida's statewide academic achievement standards that apply to all students in the same grade. Students with a most significant cognitive disability who meet the criteria in the Rule 6A-1.0943, F.A.C., Statewide Assessment for Students with Disabilities, may participate in the FAA if their individual educational plan team determines it is the most appropriate assessment option.

For more information regarding FAST assessments, please visit fldoe.org/accountability/assessments/k-12-student-assessment/best/. For resources related to FAST assessments, visit flfast.org/fast.html.