**Critical Success Factors for Effective Implementation of the *Go Math* Materials**

The Iowa Common Core Standards and the learner objectives listed on our district curriculum guides are our K-5 Mathematics curriculum. These guides clearly articulate what students need to know and be able to do during each unit of study at each grade level. The recently purchased *Go Math* is a comprehensive Mathematics program that supports the Common Core by emphasizing explicit, systematic instruction in the areas of conceptual understanding, application, and procedural skill and fluency. **This program will be used as our primary tool to support instruction and enhance students’ mastery of the Iowa Common Core Standards.**

The following elements have been identified as critical success factors for the implementation of the *Go Math* materials during the 2014-2015 school year. Application of these components will establish the framework upon which an effective and sustainable Mathematics program can be built.

**Launching the Chapter:**

* All students will engage in the “Show What You Know” assessment to determine mastery of prerequisite skills and to identify Tier 2 and Tier 3 groups for the chapter.
* Teachers will utilize the Vocabulary Activity, Graphic Organizer, and Vocabulary Builder activity for each chapter.
* Teachers will introduce the Grab & Go Center Activities (books and games) for each chapter. A complete list of these activities can be found in the curriculum guide.
* Teachers will send out the “School-Home Letter” at the start of every chapter to provide families with an overview of the math skills and vocabulary that will be covered each chapter. *(\*\*this letter can be shared via print or electronic communication)*

**Daily Math Review and Mental Math**

* Teachers in grades 1-5 will implement Daily Math Review, according to district guidelines, at the start of the school year. All kindergarten teachers will implement Daily Math Review, according to district guidelines, by the start of second semester.
* Daily Math Review will be a 15 minute (maximum) review of prerequisite skills and/or previously instructed content that was not mastered.
* Teachers will incorporate 2-5 multi-step mental math problems into their classroom daily. The problems must be aligned to the current chapter of study. Support for creation of these items during Data Teams is available on the Elementary Math Website.

**Whole Group Concept Development**

* The “Engage” Digital Lesson will be completed with all students daily.
* The “Explore” lesson will be completed with all students daily. Each student will use their Student Edition to follow along and complete the lesson activities. \*\*When noted in the Teacher’s Edition, hands-on manipulatives will be used to support the instruction. (*The interactive white board may also be utilized during the “Explore” portion of the lesson*)
* Teachers will guide students through practicing the concept in the “Explain – Share and Show” lesson component daily.

**Formative Assessment**

* Teachers will quickly evaluate the two “Quick Check” problems to create groupings for differentiated instruction.

**Differentiated Instruction**

* Small Group Instruction will be provided to students identified as in need of additional support (via the Quick Check or the Show What You Know Assessment) 3-5 times per week. This instruction will utilize the Tier 2 lesson (found on Think Central).
* Small Group Instruction will be provided to Advanced Students 1-2 times per week. This instruction will utilize the Advanced Students lesson found in the Teacher’s Edition.
* Students in need of additional support (as identified on the Show What You Know Assessment) will utilize the Personal Math Trainer daily.
* Students not working in a small group with the teacher will complete teacher-selected problems in the “Elaborate – On Your Own” section and then move into Math Centers.

**Problem Solving**

* Teachers will utilize the Problem Solving Interactive White Board example with the whole class to introduce the problem solving section.
* Students will engage in 15 minutes of whole group problem solving daily.

**Management and Organization**

* Teachers will have a management system that utilizes the Interactive White Board and the six tablet devices daily.
* Teachers will have hands-on manipulatives counted, sorted, and readily available for students to use when deemed necessary in a lesson.

**Intervention (\*\**Determined using the SMI, the “Show What You Know” Chapter Assessment, and Teacher Observation)***

* Students identified as in need of intensive support will utilize the Personal Math Trainer for 10 minutes daily. This online personalized program provides targeted, scaffolded support of the prerequisite skills necessary for success in each chapter.
* Students identified as in need of additional fact fluency will utilize FASTT Math for 10 minutes 3-5 times per week.

\*Yellow Highlight: Technology Dependent