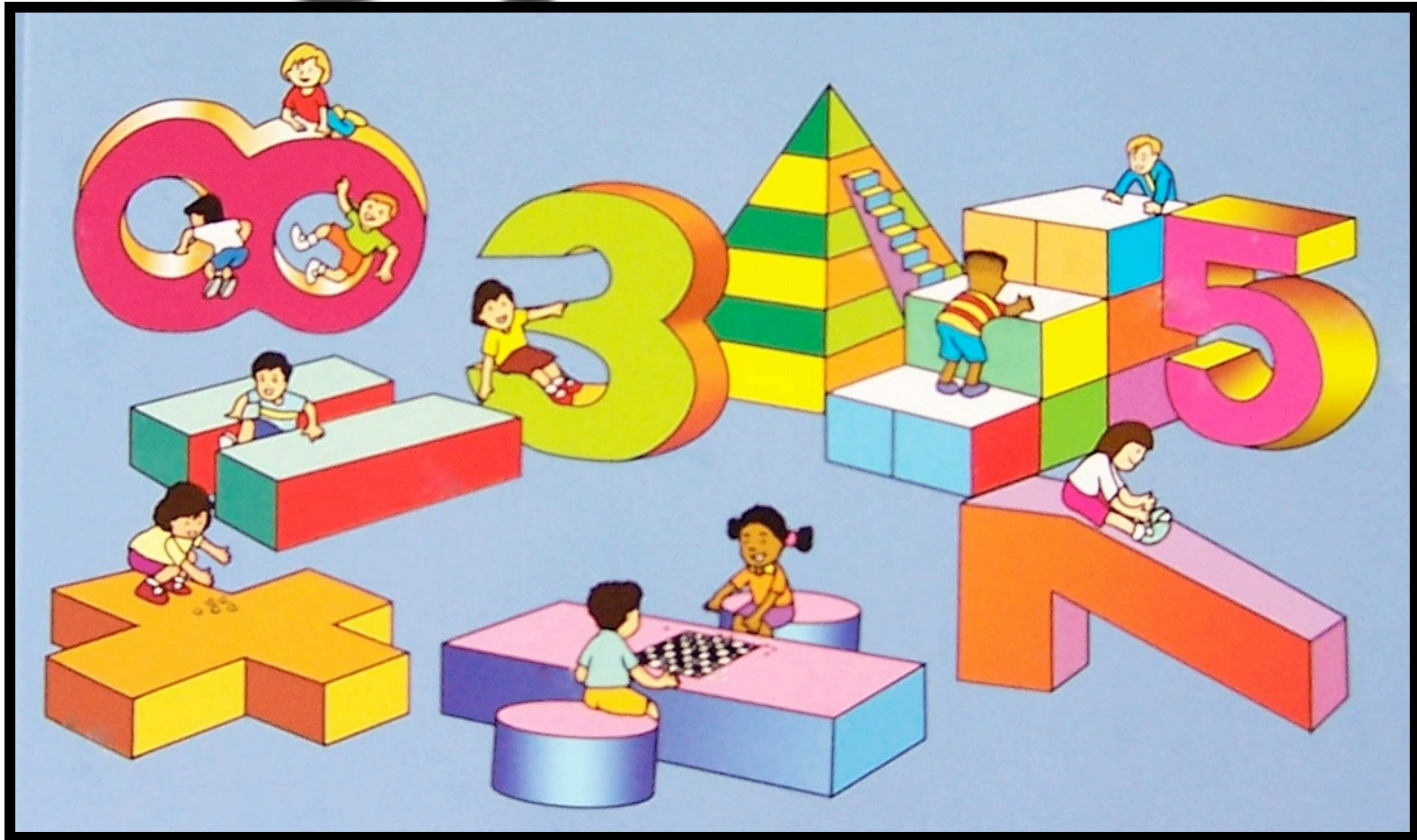


Singapore Math



www.SingaporeMath.com Inc

The Calverton School

Parent Introduction to Calverton Lower School Math

- Learn why we chose the Singapore Math curriculum
- Meet your child's math teacher
- Become acquainted with class procedures and expectations
- Learn more about math models, (bar diagrams) SPRINTS, mental math, and IXL

What is Singapore Math?

It is the highly successful national math program that has been taught in the country of Singapore since 1982.

In the year 2000 the Singapore Math Primary Mathematics series was adapted for use in the United States.

Why is Singapore Math being implemented in our school?

Singapore students ranked highest in the world on the math portion of the Trends in International Mathematics and Science Study, TIMSS.

(1995, 1999, 2003)

Students from the United States ranked 12th
in the 2003 TIMSS competition.



How did Calverton choose Singapore Math?

- Calverton formed a math committee during the 2009-2010 to evaluate current math programs and recommend one that would be a good fit for Calverton.
- After extensive research and investigation of available math programs, the staff agreed upon Singapore Math.

What does Singapore Math offer our students?

A new approach to developing in-depth mathematical understanding through:

- concept building activities
- unique mental math strategies
- problem solving methods
- guided lessons

How does Singapore Math accomplish student success?

- Manipulatives and hands-on activities that build concrete understanding
- Unique strategies that build from year to year
- User friendly student texts and workbooks
- Detailed teachers editions and teacher training

Manipulatives and Hands-on Activities are used to develop concrete understanding

Singapore Math uses number disks, place value charts, shape cutouts, number dice, number cards, and games

Strategies

- SPRINTS are used to increase math fluency
- Bar modeling is used to solve word problems
- Number bonds help students develop mental math strategies

User Friendly Student Textbooks and Workbooks

- Smaller, less repetition, practice work progressively increases in difficulty
- Provides the pictorial and abstract practice students need in order to fully develop their knowledge and use of mathematics

Detailed Teachers Editions and Training

- Teachers editions provide very guided instruction for teachers
- Teachers participated in two days of professional development summer of 2012 through SmartTraining.
- Ongoing collaboration throughout the year
- Teachers are learning Singapore Math too

Why do we differentiate for math instruction?

- Levels are differentiated to meet individual student needs.
- Each semester level Singapore Math textbook builds upon preceding levels, and assumes that what was taught need not be taught again.
- It is necessary to assign students to a textbook that matches what they are ready to learn next.
- A great deal of instructional time is saved by focusing on essential math skills, and not reteaching what has been taught before.

How did you determine my child's math level?

Math placement recommendations were based on:

- Cumulative tests and/or Singapore Placement tests
- Daily Work
- General math aptitude based by your child in class

How do the books correspond to grade levels?

Kindergarten	Early Bird	1A
First Grade	1A	1A/1B
Second Grade	1B/2A	2A/2B
Third Grade	2B/3A	3A/3B
Fourth Grade	3B/4A	4A/4B
Fifth Grade	4B/5A	5A/5B

When should math facts be mastered?

- Exiting 1st grade: addition and subtraction up to 40
- Exiting 2nd grade: multiplication and division of 2,3,4,5, &10
- Exiting 3rd grade: all math facts mastered.

Singapore Math parents:

- May see homework with fewer but more challenging problems
- Will need to allow your child to work math using Singapore Math methods
- Will need to practice math facts daily
- Utilize the ExtraMath & IXL website to strengthen grade level concepts.

What is ExtraMath & IXL?

- ExtraMath & IXL is an interactive website where students may practice skills that correspond to our standards.
- Students will be assigned weekly math assignments in either of these programs. Teachers can track their progress and adjust skills in the program if needed.

Why is EtraMath & IXL practice important?

- Students are leveled in math and may miss some of these grade level skills.
- It rounds out our math program.
- It is important that math facts be mastered to answer complex advanced problems and apply critical thinking skills beyond basic math knowledge.

Why is
Singapore Math
right for
our students?

The Singapore Math
program is rigorous!

It has over 20 years
of proven success!!

We want the best for our
Calverton students.