

# **Math Computation Improvement Plan**

St. Sebastian School is in our 2<sup>nd</sup> year of actively trying to improve our students' math computation scores. This will take a partnership with teachers, parents and students. Aside from focused classroom work, we have created a three tiered plan for students to improve math computation outside the regular classroom. This plan will be implemented at school, in students' work time and at home. With each section, we will be looking for parent volunteers – see the attached form to sign up. Here are the three parts of the plan:

## **1. Math Achiever Club – Computer Contests**

We have a variety of math computation software programs at school, at various grade levels and various skills. We will use these computation programs in both math class and computer lab from time to time, but for this section called the Math Achiever Club, we will create voluntary math computer game contests for each grade level / math group. Students will participate in the computer contests for a short time period, trying to achieve a goal or benchmark in computation improvement. Math Achiever Club participants will participate in the computation program during study/resource times. Math Achiever Club high scorers will be recognized. See attached for the dates and computation sections. Parent volunteers will be needed for club parties.

## **2. Math Computation Wall of Fame – Written Contests**

We will conduct a monthly written math computation contest in grades 4-8. Students in grades 1-3 will participate in classroom computation exercises. High scorers and most improved scores will be added to our math computation Wall of Fame. Parent volunteers will be needed for scoring help and Wall of Fame upkeep.

## **3. Student Website Work – At Home**

We heard you clearly that flash cards are a struggle at home. With improvements in technology, we introduce this new plan that uses a math computation website instead of or in addition to flash cards/math worksheets. Students need to log in an age-appropriate number of hours on either the math computation website or flash cards/math worksheets practice according to the attached chart. This must be done on non-school time, either at home or if internet access is a problem, at the library or another internet station like a friend or relative's home. If needed, contact school and we can arrange an alternate computer access time that works for you. Parents will simply confirm that the math computation work has taken place for the grading period by filling out a math computation form and turning it in to your child's math teacher. The form will be worth points on you child's math grade. The form is attached and will also be sent home the last week of the grading period. Parents will be expected to encourage and monitor student time on the website.

# Math Computation Improvement Plan

December Issue

## 1. Math Achiever Club – Computer Contests

Students can voluntarily participate in a computerized math computation contest during resource/study hall/lunch bunch/afterschool times. Benchmark improvements in speed and accuracy will earn students a spot in the Math Achievers Club.

### Christmas Contest (ends Friday, Dec. 17)

Grades 2-8 - Quarter Mile Math program – Students will participate in the individual tournament mode and save their top races for speed and accuracy. In future contests, grade levels will be divided by math classes.

<u>Grade</u>	<u>Contest</u>
Grade 8	Fractions: add/sub likes
Grade 7	Decimals: adding
Grade 6	Estimating: addition
Grade 5	Divide through 100/10
Grade 4	Multiply through 10 X 10
Grade 3	Subtraction through 20 – 10
Grade 2	Addition through 10 + 10

Grade 1 – Dancing Dinos – Basic Skills

## 2. Math Computation Wall of Fame – Written Contests

Grades 4-8 will take a 30 minute, 30-40 question math test once per month. The math test is provided by the Math League. The contests run from December through April.

Grade 1-3 will participate in classroom computation exercises conducted by classroom teachers.

High scorers and most improved scores will be added to our math computation Wall of Fame

### **3. Student Website Work – At Home**

Please add these websites as favorites on your home computers and keep track of your child's activity. Fill out the attached form and turn in by Jan. 20 for a math grade.

#### **Websites & Time Expectations**

- Grade 6-8 – 4 hours during the grading period, completed by Jan. 20.  
<http://www.funbrain.com/brain/MathBrain/MathBrain.html>  
<http://www.coolmath.com/>  
<http://www.moneyville.org/activities.cfm>
- Grade 3-5 – 4 hours during the grading period, completed by Jan.  
<http://www.Aplusmath.com>
- Grade 1-2 – 2 hours during the grading period, completed by Jan.  
<http://www.Aplusmath.com> or flash card/teacher-provided worksheets

# Math Computation Improvement Plan

St. Sebastian School is actively trying to improve our students' math computation scores. This will take a partnership with teachers, parents and students. Please fill out one of the forms below if you are able to help. THANKS!

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## **1. Math Achiever Club – Party Host**

\_\_\_ Yes I can help host a party for Math Achiever Club members during school time

Name \_\_\_\_\_ Phone Number \_\_\_\_\_  
(due in the office by 12/9)

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## **2. Math Computation Wall of Fame – Test Grader**

\_\_\_ Yes I can help grade student math tests. The math tests will be sent home & I can grade them at home and return to school in 2 days.

Name \_\_\_\_\_ Phone Number \_\_\_\_\_  
(due in the office by 12/9)

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## **3. Math Computation Wall of Fame – Wall Maintenance**

\_\_\_ Yes I can help post and maintain the Math Wall of Fame in a school hallway.

Name \_\_\_\_\_ Phone Number \_\_\_\_\_  
(due in the office by 12/9)

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## **Student Website Work – At Home Verification Form**

My child, \_\_\_\_\_, worked on the math website for 4 hours / 2 hours (grades 1-2) as directed in the St. Sebastian Math Computation Improvement Plan.

Parent Signature \_\_\_\_\_

Return to classroom teacher by Jan. 21.