

# Summer Fun!



## Math Resource Guide

June 8th, 2017

To Parent(s), or Guardian(s),

With summer quickly approaching, students' thoughts turn from school to days filled with freedom, friends and laughter as they say farewell to another school year.

However, research has shown a non-academic summer can cause students at every grade level to lose two to three months in achievement gains made during the previous year. Author Barbara Dianis suggests, "Only a half an hour to an hour set aside daily can help to prevent summer skill regression and keep students performing at higher levels during the upcoming school year." Remember **Math facts fluency**, in all four operations, enables students to recall math facts accurately, quickly and effortlessly. Achieving automaticity with **facts** enables them to retrieve facts for long-term memory without conscious effort or attention. In turn, this frees up working memory which students can devote to problem solving and learning new concepts and skills.

Furthermore, "summer is an ideal time for students of all ages to strengthen their math academic skills while still having plenty of time left over for summer activities. Working on just three to four math problems per day during the summer can prevent students' mathematical skills from getting rusty! Students can look at it as a daily challenge that they must complete, or a daily "to-do" to proudly check off their calendar."

The Little Silver School District Curriculum Department, working collaboratively with the staff at Point Road School, has developed a list of suggested resources and activities to combat summer slide. Please note that summer work while not required is highly recommended.

**Have a great summer!**



<https://www.edutopia.org/blog/7-ways-prevent-summer-learning-loss-barbara-dianis>



## **Recommended for All Grades websites and resources**

*\*Note that websites can be accessed via the Portaportal and PointRoad Symbalo, or directly from this document.*

<https://www.mathgames.com/>

<http://www.coolmath-games.com/>

<http://www.mathplayground.com/games2.html>

<http://www.mathgametime.com/math-games>

<https://xtramath.org>

<https://www.funbrain.com/math-zone>

<https://www.funbrain.com/pre-k-and-k-playground>



## **Looking for a hands-on approach**

<https://www.education.com/activity/math/>

# 3

### **Recommended for Students entering 3<sup>rd</sup> Grade:**

Anything from the above list

-or-

<https://www.ixl.com/signin/littlesilver>

Suggested Topics list for students entering 3rd Grade iXL [Summer Work](#)

# 4

### **Recommended for Students entering 4<sup>th</sup> Grade:**

Anything from the above list

-or-

<https://www.ixl.com/signin/littlesilver>

Suggested Topics list for students entering 4<sup>th</sup> Grade [iXL Summer Work](#)

[Challenge iXL Summer Work](#)