

SCCS Summer Math Reinforcement Packet

Why Summer Math?

Just as students benefit from reading throughout the summer, regular practice with problem solving, computation, and math facts will strengthen and maintain mathematical gains made during the school year. We recommend that you try to integrate 15-20 minutes of math activities into your child's day. The goal is for your child to have fun thinking and working collaboratively and to communicate mathematical ideas. There are lots of great ways to bring math into your summer days! We hope you will have fun doing math this summer.

Math Websites

Students may find doing worksheets or flashcards boring during the summer. Try changing things up with some of these online resources. Some websites are math-based games, while others will teach skills and reinforce skills already learned. Your child may be familiar with some of these sites already because many of the teachers at SCCS implement these web tools during their enrichment time.

www.wildmath.com Select "Play the game". Select addition, subtraction or multiplication and grade. You can race to beat your time!

www.aplusmath.com Go under "Flashcards" or "Game Room". They can practice adding, subtracting and multiplication facts from memorization or within a couple seconds.

www.aaamath.com At the top, pick your previous grade for a review, or next year's grade for a challenge. Choose any of the activities like multiplication, then select "play" option toward the top of the screen. 20 questions and Countdown games are good ones.

www.funbrain.com Lots of fun games to choose from.

www.mobymax.com Students can log in using their first initial and last name and the password is sccs1. They can do math facts, math lessons, or number work.

www.khanacademy.com Some students may have an account linked from school already, but if not it is free to join! Skills start as low as Kindergarten and go through high school. Students can watch math videos and earn badges!

Ways to implement math into every day fun!

MATH AND SPORTS

Do you root for a local baseball team? You'll probably enjoy following the team's statistics in the newspaper throughout the summer. You might make a graph to track changes over time. If you play a sport, try keeping track of your own statistics.

What about the geometry of sports? Playing fields and balls are geometric shapes. Take a look at how a baseball or a football is formed from several flat shapes.

MATH IN GAMES

Naturally, any game that requires keeping score uses math. You and your family might also enjoy inventing some new card, dice, or outdoor games, or devising scoring variations for familiar games. Maybe you could share new game ideas or scoring variations with your classmates so they can try them over the summer too.

MATH AT HOME, AROUND TOWN, AND IN NATURE

What's the biggest building in town? How can you find or estimate its dimension? How many windows does it have?

Take a math hike. What geometric shapes can you find in your neighborhood or in your own home? What comes in clusters? What's symmetrical?

SHOPPING

Which is a better deal: 29 cents each or 3 cans for 79 cents?

The local **grocery store** is a great place to apply math skills at all age levels:

- Use estimation skills to predict how much the grocery bill will be.
- Comparison shopping: How much do you save per ounce (or another unit) by buying in bulk?
- Look at expiration dates: Which products have short shelf lives? long shelf lives? Why?
- How much can you save by buying products on sale?

Math at **the mall**:

- Compare clothing prices at two or more stores.
- Dream-shop without spending: What if you had \$1,000 to spend? Take some time to look around your favorite stores and make a wish list. How close can you come to spending exactly \$1,000?

Once you get started, you'll soon realize there's no limit to the math challenges you can create for yourself on a routine or just-for-fun shopping trip.

MATH TRAVELS

Are you planning a road trip?

- Use a map's scale of miles to estimate distances and travel times.
- How many miles per gallon does your car average on highways? In town?
- What are the highest and lowest gas prices you can find on your trip? How much money can you save by filling up your car at the lowest price?
- How much is the trip likely to cost, taking into account gasoline, tolls, meals, lodging, recreation, and souvenirs? You might compare the actual costs of the trip to your prediction.
- License plate math: Add or subtract or multiply or divide the numbers you find on license plates. You can work with as many digits as you wish. For instance, you might treat the first number on a license plate as a divisor and the next three numbers as a three-digit dividend.

10 FREE LEARNING WEBSITES {FOR KIDS}

Here's a list of some fun, educational, and safe websites for your child to visit and explore on those hot summer days!

<p>Switcheroo Zoo www.switcheroozoo.com Watch, listen and play games to learn all about amazing animals!</p>	<p>Fun Brain www.funbrain.com Play games while practicing math and reading skills.</p>
<p>Nat Geo for Kids www.kids.nationalgeographic.com Learn all about geography and fascinating animals.</p>	<p>PBS Kids www.pbskids.org Hang out with your favorite characters all while learning!</p>
<p>Into the Book www.reading.ecb.org Go "into the book" to play games that practice reading strategies.</p>	<p>Star Fall www.starfall.com Practice your phonics skills with these read-along stories.</p>
<p>Seussville www.seussville.com Read, play games, and hang out with Dr. Seuss and his friends.</p>	<p>Storyline Online www.storylineonline.net Have some of your favorite stories read to you by movie stars!</p>
<p>ABC YA www.abcya.com Practice math and reading skills all while playing fun games!</p>	<p>Highlights Kids www.highlightskids.com Read, play games, and conduct cool science experiments!</p>