

Dear Incoming 5th Grade Students and Parents,

Summer is here! We want you to have great adventures and enjoy your time off. We also want you to keep your brain sharp. This way, when you return in the fall, you will be ready to learn new things and review will take less time. The fifth grade teachers are asking that you do a few things, preferably something each day, which will keep your brain

According to Jo Boaler, Professor of Mathematics Education at Stanford University, "It is important not to underestimate the role of simple interactions in the home, and the role of puzzles, games, and patterns in the mathematical development and inspiration of young people." She goes on, "...the best sort of encouragement that can be given at home does not involve sitting children down and giving them extra math work, or even buying them mathematical books to work on. It is about providing settings in which children's own mathematical ideas and questions can emerge and in which children's mathematical thinking is validated and encouraged." It is with this in mind that we have put together the attached list of suggested summer math activities

- Cook with your children. Make them estimate measurements and make measurements when making recipes bigger or smaller.
- Play games! Cribbage and Yahtzee are great. Go to Math N Stuff and let your child choose a game that looks fun. Skip the curricula, go for interesting.
- Play the games on the Math for Love website.
- At the grocery store, ask your child to estimate the total bill.
- Everybody in the family guess what day/date the car will need gas.
- Have your child calculate the tip when you go out.
- Use Fitbit data points to make a graph (like steps versus distance) to estimate how many steps in certain distances, how much do you have to walk to meet your goal, etc.

Typing Skills – Practice typing to improve your speed and accuracy. **This is a must.** Students in 5th grade will be typing the majority of their final projects, and practice this summer will help with time management next year. We have a school account at <https://asbschool.typingclub.com>

Summer Reading

We are asking that each of you **read at least 3** books over the summer (see suggested books on back). For 2 of the books you read, fill out the mini book report provided and bring them with you the first day of school. You can read more than 3 books! Keep a list of all the other books you read and bring that in too. Joining the Seattle Public Library Summer Reading Program is another great way to stay motivated. Have a wonderful summer and we will see you in the fall.

Mr. Dougherty and Ms. Uhlman