

# Summer Learning Menu

## Getting Ready for Grade 4 Mathematics

### Big Brainz – Timez Attack

Knowing your basic math facts for addition, subtraction, and multiplication is essential. This can be done in many ways such as flash cards or free online games. Timez Attack from Big Brainz is very addictive and teaches not only the math facts, but teaches the facts conceptually.

### WootMath

WootMath is a free site that focuses on learning fractions. You can select MAFS (Mathematics Florida Standards) and your child can understand the conceptual meaning of fractions.

### TiViTz

TiViTz engages kids' strategic thinking and basic computation skills as they maneuver their numbered tivits, or playing cubes, across the game surface to land at the numbered score goals that will produce equations with the highest possible answers. You can play online for free.

### Reading Mathematical Literature

Read mathematical books! The state of California has a searchable database of mathematical and scientific related books for students. Many of the titles can be found in the Polk County Public Library system.

### Play Games

Playing some specific games helps build logical and strategic thinking. The following are examples of games that can help build this type of thinking: Chess, Checkers, Solitaire, Spider Solitaire, Sudoku, KenKen, Hearts, Yahtzee, Minecraft, and Mahjong.

Building toys such as blocks, Legos, and Lincoln Logs helps develop spatial sense.

### Apps

Playing some gaming apps can improve your mathematics skills. These apps remove the symbol barrier and allow children to do mathematics beyond their grade level. Some are free, but others are not. Recommended are DragonBox Algebra, Wuzzit Trouble, Refraction, JiJi, Sumurai, Sumaze, KickBox, BigSeed, and Motion Math.

**Polk County Mathematics Team**