



Summer Mathematics Learning Pinecrest Elementary School 2020

PORTAL ACCESS

District Supplemental Online Programs

All Pre-K through 5th grade students will be able to access their portal throughout summer and utilize tools based on their current grade level (during the 2019-2020 school year). The assortment of online tools includes district-licensed supplemental software (i.e., *Discovery Education*, *i-Ready*, *myON*, *Sumdog*, *Reflex*, etc.) and a multitude of open resources (i.e., *Duolingo*, *TypingTest*, etc.). Specifically, ***i-Ready Online Instruction*** for reading and mathematics will be accessible during the summer for at-home use for students currently (during the 2019-2020 school year) in grades K-8.

Following is a list of suggested mathematics programs/resources that have proven to be beneficial in helping students learn and maintain skills. We recommend that students engage in one or two programs of choice 2-3 times per week for a minimum of 30 minutes. (*can be accessed via the portal, below Apps/Service/Sites)

*1. **Khan Academy:** Free tutorial videos across all grade levels

*2. **Reflex Math:** Adaptive and individualized system for mastering basic math facts in addition, subtraction, multiplication and division for grades 2-8.

*3. **iReady:** Mathematics online intervention programs for students in grades K-8. Also included within this program is iReady Learning Games.

4. **Sumdog:** www.sumdog.com Personalized and adaptive learning games aligned to major curricula for ages 5-14.

5. **PBS Learning Media:** www.pbslearningmedia.org/subjects/mathematics/k-8-mathematics/ K-8 mathematics skills ranging from counting cardinal number to linear equations and functions.

6. **Florida Dept. of Education Resources for Families:** www.fldoe.org/em-response/resources-families.shtml

Math Fun Through Games!

What better way to practice mathematical skills than while enjoying games as a family? This list will help you choose games that focus on mathematical concepts.

Counting/Sequencing/Number Sense

Dominoes (3+)

Chutes & Ladders (up to 7)

Mancala (6+)

Dutch Blitz (8+)

Addition/Subtraction

Rat-A-Tat-Cat (6+, basic addition)

Frog Juice (8+, add)

Zeus on the Loose (8+, add/subtract)

Loot (10+, add/subtract)

Sleeping Queens (8+, add)

Triominoes (8+, add)

Cribbage (add)

TwentyFour Seven (8+, add)

Sequence Numbers (7+, add/subtract)

Add/Subtract/Multiply/Division

ThinkFun Math Dice (Jr 6+; Reg, 8+)

24 Card Game (9+)

Smath (8+)

Multiplication/Division

Speed! (3+, mult/skip counting)

Mythmactical Battles (8+, multi)

Incan Gold (8+, division)

Roll 'n Multiply (8+, multi)

Money

Monopoly (8+)

Made for Trade (8+)

The Farming Game (10+)

Pay Day (8+)

Life (9+)

Geometry/Spatial Reasoning

Tangoes Jr. (4+)

Equilibro* (5+)

Architecto* (7+)

Cliko* (8+)

Blokus (5+)

Swish (8+)

Block by Block* (8+)

Battleship (7+, coordinate grid)

Shapes Up (7+)

Kanoodle* (7+)

Pattern Recognition & Strategy

Qwirkle (6+, shapes/colors)

SET (6+)

Swish (8+)

Master Mind (8+)

Blink (7+)

Othello (10+)

Connect Four (6+)

Shuttles (8+)

Logic

Sudoku * (varies, many versions)

Chocolate Fix * (8+)

Rush Hour *(8+)

Chess

Checkers

Probability

Yahtzee (8+)

Settlers of Catan (10+)

Key: (manufacturer's suggested age) * Single person game