

CCS Family Math Night 2017

Using Technology to Build Math Skills

by Laurie Walsh, RSU#13 Technology Integrator

Math success depends on both understanding and fluency. Children become fluent by practicing, but sometimes skills practice is very dull (flashcards anyone?). The websites and apps below may help your children improve their fluency by giving them practice in an entertaining and responsive way.

All Purpose Websites for Online Skills Practice and Reasoning

Johnnie's Math Page

<http://jmathpage.com> - Bookmark it on your desktop, laptop, or mobile device that gets along with flash (ipads don't). This page has all the simple games kids could want for every skill.

The National Library of Virtual Manipulatives

<http://nlvm.usu.edu/en/nav/vlibrary.html> - Bookmark it on your desktop, laptop, or mobile device that gets along with Java (ipads don't). These activities are manipulatives rather than games in some cases. Sit side by side and work with your child.

Manga High

http://www.mangahigh.com/en_us/games Use these free games for all skills from addition, subtraction, multiplication, and division to 9th grade algebra and geometry skills. Creating an account will make longer games available.

MobyMax

<http://www.mobymax.com> We are using MobyMax at school, so check with your child's teacher to get the login for your child. Both the Math area and the Fact Practice area may help your child work at his or her own pace.

Mobile Apps for Math Practice and Reasoning – Check the app store for your device. Usually they have a ranking that will help you choose the apps other parents like. Search by topic (counting, addition, multiplication, etc) Here are 7 apps for iPhone, iPad, or iPod that I like.

Motion Math <http://motionmathgames.com> - available for iPad, iPhone. Some games use the accelerometer (moving the iPad to control the game) to make them engaging. **Paid**

Hungry Guppies for counting with dots and numbers PreK-1

Hungry Fish for adding and subtracting, including negative numbers at the higher levels K-7

Wings for multiplication K- adult

Zoom for number lines

Numbers League App

<http://www.common sense media.org/mobile-app-reviews/numbers-league> - available for iPad, iPhone. This is a multiplayer game that can be played against the computer or with several family members. The easiest game could be used by 6 year olds, the hardest by adults. **Paid**

Arithmetic Invaders

<https://itunes.apple.com/au/app/arithmetic-invaders-express/id453828527?mt=8> - available for iPad, iPhone. Practice with counting, addition and subtraction. **Free**

Free Program that can be Installed and Run without the Internet This program requires a download from the internet initially, but then it doesn't require the internet to run after that.

Times Attack <http://www.bigbrainz.com/Cool-Math-Games.php> Choose the free version. When prompted for registration click Later. This is an older tried and true program that is usually a kid pleaser with really nice video game like play, exciting music, and nice graphics. This program is to practice facts from addition through division.

How to Find Your Own

Use websites that rate apps and websites to get the scoop on what apps are best for what age level. One that is great is Common Sense Media <http://www.common sense media.org/app-reviews> - Here you can search for apps by age level and topic, as well as by device. You can also Google "best math apps" or "interactive addition", etc. You'll find more!!

For help or to share your reactions please email me, Laurie Walsh at lwalsh@rsu13.org . I am the technology integrator for the elementary schools and would love to hear from you.