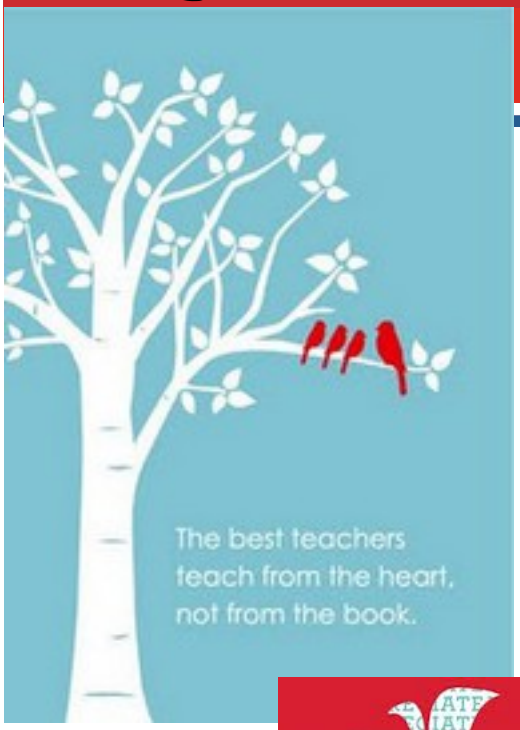
North Florida South Carolina Region

Common Core Tip Corner

Let's review the shifts and practices that make the Common Core unique and much more than just "new standards"
Also remember our Imagine Schools Curriculum Guide is a wonderful resource when it comes to The Common Core! Check it out ☺



SIX SHIFTS IN LITERACY INSTRUCTION

- Increase in Nonfiction (Informational) Texts
- Content Area Literacy in Science, Social Studies, Technical Subjects
- Increase Complexity of Texts
- Focus on Text-Based Questions
- Writing Arguments with Text Based Support
- Focus on Academic Vocabulary

Looking Ahead in Math
Shifts and fluency

Common Core Math Shifts

- Narrow and deepen the curriculum
- Develop strong foundations

Focus

- Each standard is not an new event but an extension

Coherence

- Master with speed simple calculations so that more complex topics can be addressed

Fluency

- Teach more on how to get the answers
- Demonstrate understanding in new situations

Deep Understanding

- More math in Science
- Connected to real life problems and situations

Application

- Practicing and understanding are occuring at the same time
- Balance both drills and application

Dual Intensity

Required Fluencies in the Common Core State Standards for Mathematics

Fluent in the Standards means "fast and accurate." It might also help to think of fluency as meaning the same thing as when we say that somebody is fluent in a foreign language: when you're fluent, you flow. Fluent isn't halting, stumbling, or reversing oneself. Assessing fluency requires attending to issues of time (and even perhaps rhythm, which could be achieved with technology)….

Grade	Required Fluency
K	Add/subtract within 5
1	Add/subtract within 10
2	Add/subtract within 20[1] Add/subtract within 100 (pencil and paper)
3	Multiply/divide within 100[2] Add/subtract within 1000
4	Add/subtract within 1,000,000
5	Multi-digit multiplication
6	Multi-digit division Multi-digit decimal operations
7	Solve $px + q = r$, $p(x + q) = r$
8	Solve simple 2×2 systems by inspection

Mathematical Practices - Kid Friendly

The Standards for Mathematical Practice describe varieties of expertise that mathematics educators at all levels should seek to develop in their students. Like the sample of posters below? You can Download all 8 posters from the Documents section of our Blog!

Look for and make use of structure

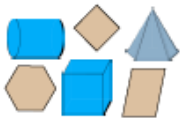
I can see and understand how numbers and spaces are organized and put together as parts and wholes.

Numbers

For Example:
- Base 10 structure
- operations and properties
- terms, coefficients, exponents

Spaces

For Example:
- dimension
- location
- attributes
- transformation

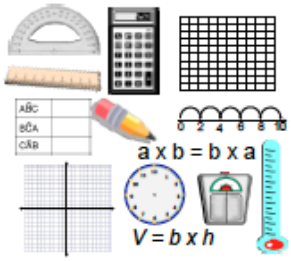


Use appropriate tools strategically

I know when to use certain tools to help me explore and deepen my math understanding.

I have a math toolbox.

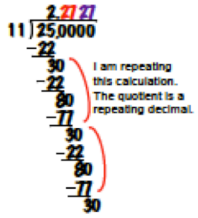
- I know *HOW* to use math tools.
- I know *WHEN* to use math tools.
- I can reason: *"Did the tool I used give me an answer that makes sense?"*



Look for and express regularity in repeated reasoning

I can notice when calculations are repeated. Then, I can find more efficient methods and short cuts.

For example: 25 ÷ 11



Make sense of problems and persevere in solving them

When presented with a problem, I can make a plan, carry out my plan, and evaluate its success.

BEFORE...

EXPLAIN the problem to myself.
- *Have I solved a problem like this before?*

ORGANIZE information...
- *What is the question I need to answer?*
- *What is given?*
- *What is not given?*
- *What are the relationships between known and unknown quantities?*
- *What tools will I use?*
- *What prior knowledge do I have to help me?*

DURING...

PERSEVERE

MONITOR my work

CHANGE my plan if it isn't working out

ASK myself, "Does this make sense?"

AFTER...

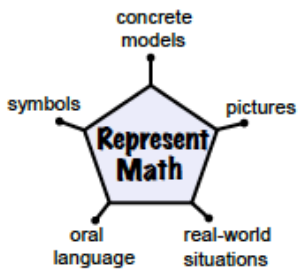
CHECK
- *Is my answer correct?*
- *How do my representations connect to my algorithms?*

EVALUATE
- *What worked?*
- *What didn't work?*
- *What other strategies were used?*
- *How was my solution similar to or different from my classmate's?*

Model with mathematics

I can recognize math in everyday life and use math I know to solve everyday problems.

I can...
- make assumptions and estimate to make complex problems easier
- identify important quantities and use tools to show their relationships
- evaluate my answer and make changes if needed



Attend to precision

I can use precision when solving problems and communicating my ideas.

Problem Solving

- I can calculate *accurately*.
- I can calculate *efficiently*.
- My answer matches what the problem asked me to do – *estimate* or find an *exact answer*.

Communicating

- I can SPEAK, READ, WRITE, and LISTEN mathematically.
- I can correctly use...
  - math symbols
  - math vocabulary
  - units of measure

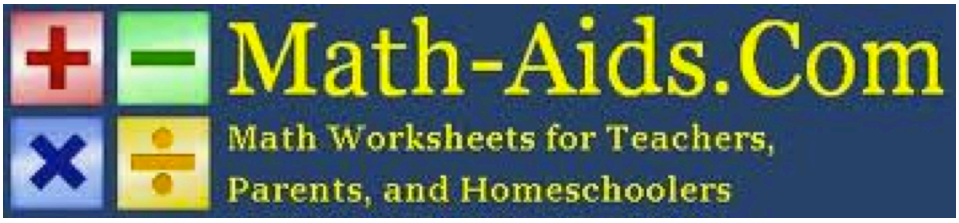
Two More Technology Tools to Add to your Arsenal

FreeRice.com & Math-Aids.com

By Jennifer Badeaux

There are so many different websites out there that offer free and useful tools for the classroom. It's nice to find some tried and true ones from time to time that someone has already investigated for you to explore.

The first one is FreeRice.com and it has been around for many, many years now. The concept and layout is simple. Answer a question correctly and earn 10 grains of rice for each question. The rice is then donated to those in need. There are many categories ranging from vocabulary (their very first offering) all the way to humanities, math and art history. Students (and adults) can set up a free account, master levels and earn points in the form of rice. I've heard of teachers using this as an extra incentive both in class and as homework. It's fun, simple and a little addictive! Give it a try.

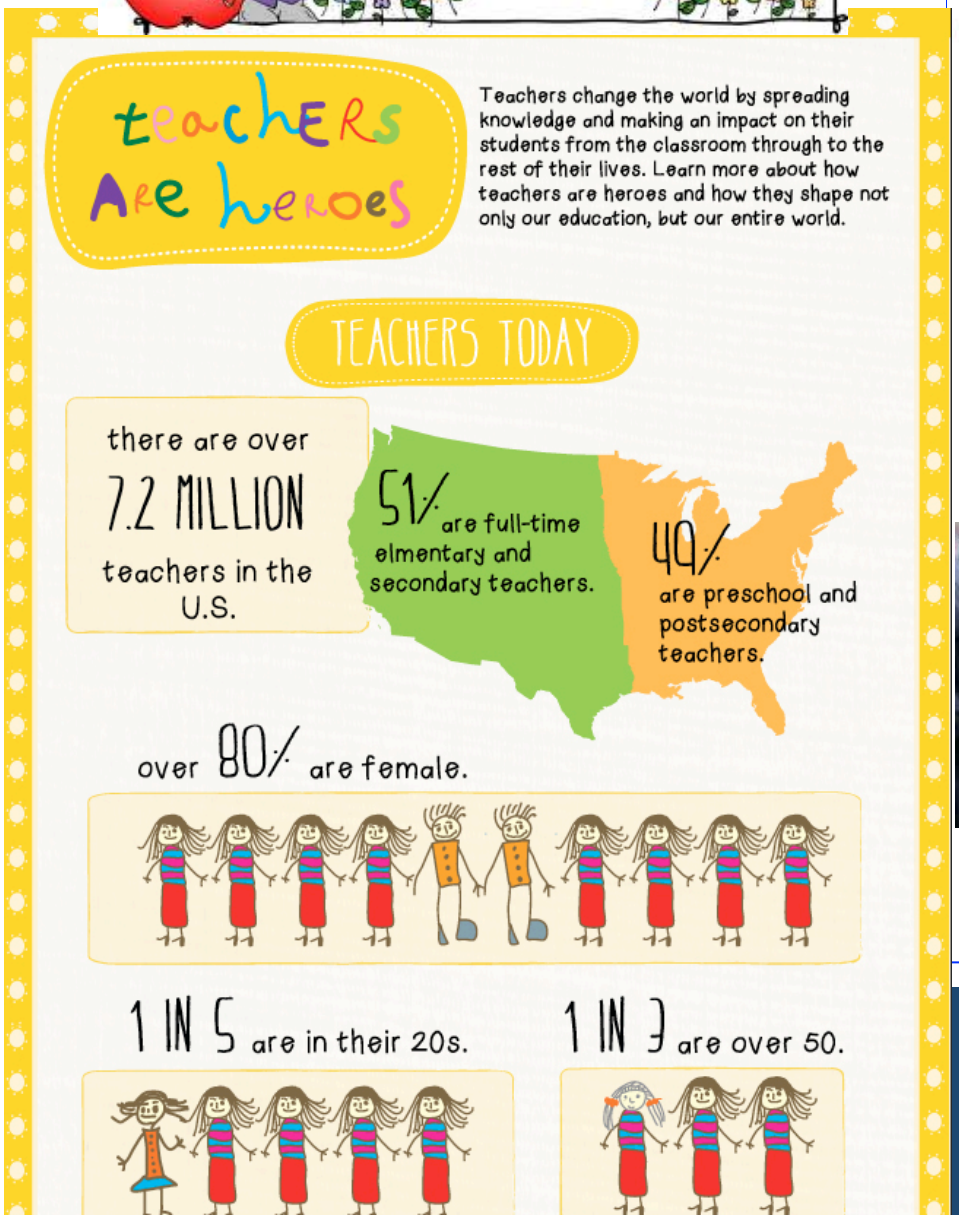


Another website that I find I use just about weekly is Math-Aids.com. Math-Aids offers customized math worksheets for any level of student, K to 12. You can also print an answer key with your worksheets, customize the types of problems, chose the number of problems per page and even level worksheets for different students. Selections on the left side are your starting spot. You choose from addition, subtraction, decimals, integers, fractions, Venn Diagrams and more. If you love the site you may consider giving them a donation on their page. I often print pages from Math-Aids.com to put in my challenge box for my early finishers. They rush to see what is new in that box each week. This is one that has been more than worth it for my students and I make sure my parents have the url to print pages for practice for their kids as well.

Both of these websites will help you greatly in the classroom and they both can be given to parents for a summer challenge. Perhaps a challenge to see who can get the most points on FreeRice.com over the summer break would be a great and easy challenge to offer. Can you think of different ways to incorporate these sites? Let me know and we'll share

Birthdays

May 1 – Beth Keough
May 3 – Kristina Lorton
May 6 – Terry Baker
May 6 MaryAnn Hilton
May 12 – Christy Ramage
May 12–Tiffany Martin
May 15 – Ashley Storey
May 18–Wendy Decker
May 20 – Laura Bury
May 21 – Michelle Tingley
May 25 – Jill Morningstar



Dates to celebrate in May!

…It's a journey, not a destination. Here are **five** websites that make it a bit more of a comfortable journey on the implementation of the Common Core State Standards in math.

- **Mr. Meyer's Blog & Three-Act Math:** Dan Meyer's Three-Act Math provides in-depth problem solving activities. These problems have multiple entry points. He has built problems for third grade through high school. Each problem is directly tied to the CC standards. http://blog.mrmeyer.com

- **Illustrative Mathematics:** This site provides sample problems for almost every standard in CCSS math. Also included is commentary on each of the problems and their solutions. Writers of the CCSS participated in creating these problems. http://www.illustrativemathematics.org

- **KATM – Kansas Flip Books:** This site allows teachers to download the Kansas Flip Books for each grade level. Within the flip books, there are specifics for expectations for the Mathematical Practice Standards, instructional strategies, teaching expectations, connections to other standards and common misconceptions. This is a very powerful download. It can provide a great deal of clarity for teachers in understanding the standards and expectations. http://katm.org/wp/common-core/

- **All Things Common Core:** This site houses resources for both math and ELA. Go to the resources tab and click on "math" to access the resources that the specialists of ESSDACK have compiled to assist teachers in areas of content, instruction, practice standards and vocabulary. http://allthingscommoncore.com/content/resources

- **Common Core Tools:** This is the blog site of Bill McCallum, one of the lead writers for the math CCSS. A teacher can search his posts to help with understanding, expectations and implementation of the standards. http://commoncoretools.me/author/wgmccallum/

when I say... "I wish you enough..."

'Wish you enough' means wanting the other person to have a life filled with just enough good things to sustain them coming from an old adage..
"I wish you enough sun to keep your attitude bright.
I wish you enough rain to appreciate the sun more.
I wish you enough happiness to keep your spirit alive.
I wish you enough pain so that the smallest joys in life appear much bigger.
I wish you enough gain to satisfy your wanting.
I wish you enough loss to appreciate all that you possess.
I wish you enough hellos to get you through the final good-bye."
They say it takes a minute to find a special person ~ An hour to appreciate them ~ A day to love them ~ And an entire life to forget them...