


## Math APPS

Lunch Rush<br>Quick Images

Monkey Math
Counting Beads
Monster Squeeze
10 Frame Fill

## $0 \quad 0$ Lunch Rush

${ }^{\bullet}$ Free

- Augmented Reality math app
- Developed by PBS Kids
- Students move around room or hallway and search for the correct answer to the addition problem

- Students use the camera to scan the card
${ }^{\bullet}$ Up to 4 players on 1 iPad


Lunch Rush

## Quick Images

Practice subitizing


## Monkey Math

- Kindergarten skills
- Patterns
${ }^{\bullet}$ Counting
- Shapes
- Number recognition
- Addition
- Subtraction
- Number sequencing
- Number tracing



## Counting Beads

(20)

How many more to make 10 ?


- Free
- How many to make 10 ?
- Additive 10s families

062348
6) 71919


## Monster Squeeze

## Everyday Math

- Guess the secret number by taking turns guessing the number on the number line
- Number line concepts and number comparisons
-2-4 players



# Literacy APPS 

Magnetic ABC
Reading Raven $1 \& 2$
ABC Wheel
Letter School
BOB Books
Sound it Out

## Magnetic ABC

- ABC order
- Spell names, sight words, spelling words, word families



## Reading Raven 1 \& 2



- Letter matching, tracing, recognition
- Word matching, building
- Vocabulary
- Sentence building
$\bullet$ Read aloud using voice recording
$\bullet$ Engaging
- Individual progress


## $\gamma \gamma$ ABC Wheel


-4 different games-puzzle, find the letter, write the letter, and sound slideshow

- Earn a sticker/token


## $\gamma$ Letter School


${ }^{-}$Fun app to practice alphabet recognition and
counting/number recognition

- Handwriting
- Super fun!

BOB Books

$\bullet 1$ \& 2

- Sound out simple words
- Make a connection between letters and sounds
- Read simple story



## Sound It Out



- Beginning, middle \&
ending sounds
- CVC words


# Other Favorites 

Educreations

Screen Chomp<br>Alien Assign

Pic Collage
iMovie

## Educreations \& Screen Chomp



Both are whiteboard apps that allow you to draw, type, insert pictures, drawings and record voice. Students can write a math story, solve a problem, tell a story, and more


## Alien Assign

## SOMETHING THAT SMELLS STINKY? <br> 



## iMovie

Create a movie project or trailer.
Use for an upcoming theme in the classroom.
Students can take pictures and you upload them and make it for them. I've done it with letter sounds and numbers.

Pic Collage


Make a collage for anything! You can insert text, take pictures, stickers, and even change the background. Create anything!

Pic Collage


# Presenter: 

## Jamie Wells

Kindergarten Teacher
Jackson Heights Elementary School


## BRAIN

## BREAK!

Drive Thru Menu for Strength

Literacy and Writing:
Building a Solid
Foundation

A little bit about Krazy Kay

Nerd
Combine
Operator
Mom I am...

Wife
Rock star
Catty

Teacher of 20
Passionate
Crazy
Family
Driven years

Dedicated
Masters in Special Education
Nana
...and ready to Rock the World for Children!!!






# Early Childhood Literacy 

## Phonological Awareness

Ability to hear sounds
Sounds make up words
Words are made up of syllables
Syllables are made of phonemes

## Listening Games

- Environmental sound walk
- Identifying various sounds through picture/sound CD
- Sound Bingo
- Adding two environmental sounds together
- Close eyes and identify sound
- Close eyes and identify how many sounds were made
- Close eyes and tell what sound was missing
-I spy sound hunt
- Follow my lead
$\bullet$ Round the circle secret
- Alligator Chomp (Jack Hartman)



## Rhyming Games

- Draw a Rhyme
- Nursery Rhyme immersion
- Rhyme bags
- Nonsense word race
- Rhyme boxes
- Rhyme sentence strips
- Spin a rhyme
- Ready to go rhyme
$\bullet$ Match a sound rhyme

- Rhyme file folder games


## Alliteration

- Repetition of initial sound
- Two or more words in a row beginning with the same sound: example, The Big Black Bear Bought Blue Berries.
- Awareness of sounds that are used to form words


## Alliteration Games

- Silly name games
- Beginning sound word match
- Fun books such as Mrs. Wishy Washy
- Songs on you tube for alliteration
- Nursery Rhyme Peter Piper
- Tongue Twisters
- Down by the Bay


## Sentence Segmenting

Language is made up of letters that make words and words make sentences.

## Sentence Segmenting

## Games

- Clap and count
- Blank Card touch
- Token touch


## Syllable Awareness

- Separating words into syllables
- Not necessary to know what a syllable is
- Does not deal with letter recognition


## Syllable Games

- Pass the Friendship hammer - Clap and slap words
- Blast off 1,2,3
- Drum and tap



## Onsets \& Rimes

${ }^{\bullet}$ Onset: sound before $1^{\text {st }}$ vowel

- Rime: usually sound from vowel to end of word
- Onset + Rime = Word
- Word families
- Not every word has an onset


## Sound Segmenting

$\bullet$ Dividing words by sounds (phonemes)

- Most difficult level of phonological awareness


## Sound Manipulation

- Manipulate sounds: new words
$\bullet$ Replace beginning, middle, or ending sound to make a new word


## Book Sense

Front and Back
Title
Author
Illustrator
Pages


Table of Contents
Print left to right
${ }^{-}$Crossing mid-line activities and songs

- Book talks
- Silent reading time
$\bullet$ Paired reading
$\bullet$ Roaming eyes
-Follow Fingers
$\bullet 3 \times 5$ index card window
- Swat a word
- Story Wands



## Alphabetic Knowledge

- Letter recognition
-Letter sound connection



## Oriting: Fine Motor Developme

- Children have to have core strength before writing
- Each year more and more children are coming to school with weak fine motor development - Often times these same students have difficulty coordinating eye hand movement and holding writing implements
- Their hands are weak and underdeveloped
- They may experience frustration when writing their name, fastening and unfastening closures, opening milk, dressing, and opening backpacks

OWriting: Fine Motor Development

## Fine Motor

## Strengthening Activities

- Dot to Dot (avery dots)
- Thera Putty seek and find
- Clothes Pins
- Wheel Barrow
-Blanket Drag
- Scooter pull and ride
- Tongs
- Toothpicks in jar
- Shaving Cream
- Wipe on wipe off



## Fine Motor

## Strengthening Activities

-Stacking 1" blocks

- Lacing
- String various size beads
- Pegs in holes
- Rubber Bands
- Beads in the Bottle
- Tees, Hammers, Marbles
- Mayo bottle and flat sticks
- Cut dough
- Finger tip touches
- Gel in a bag



## Fine Motor

## Strengthening Activities

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- Pool cutting <br> - Painting with Q-tip <br> - Dob a mark <br> - Sticker peel and put <br> - Paper clip on $3 \times 5$ note card <br> - Shaving cream <br> - Cooked oatmeal <br> -Cooked Spaghetti <br> - Things in a bottle <br> - Blubber <br> - Paint in a bag
}


## Writing Process

- Three year olds need to have core strength before attempting to write
- Pictures to convey a story
- Demonstrates an understanding that drawings can represent ideas, stories, or events
${ }^{-}$Scribbles as if writing
- Makes random marks to represent words
-Uses letters and letter formation to represent words


## Writing Process

- Copies or writes familiar words
- Reads sentence or story using their finger
- Uses tri-pod grasp
$\bullet$ Uses prior knowledge to build drawing and story
- Uses punctuation
- Knows that spaces go between words
- Attempts to sound words out and uses alphabet knowledge


- Theme rings on Word Wall
$\bullet$ Guided Draw
- Lines and circle practice
- First name
- Tracing
- Pictures and Writing paper
- Theme ideas
- What it looks like to be a good writer
- Adult model
- Ask the child to read what they have wrote
- Clipboards
- Paired writing
- Author and Conference
- Labeling
${ }^{\bullet}$ Cooking and Recipes





## Presentor:

# Kay Smith 

ECSE Teacher
Jackson Heights Elementary

## Citations:

Lois Wachtel
Sandi Reyes
Jack Hartman
Shannon Samulski
Finger Funatics: A Guide for Teachers Pre-School through First Grade; Shannon Samulski
Kansas Early Learning Standards

## Brain

## Break!

## Drive Thru

Menu for
Attention


# Math 

# Madness 

## Number Sense

- It describes a cluster of ideas, such as the meaning of a number, ways of representing numbers, relationships among numbers, the relative magnitude of numbers, and skill in working with them.
- It is a part of children's daily mathematical lives and slowly grows and develops over time.
- Researchers note that number sense develops gradually, and varies as a result of exploring numbers, visualizing them in a variety of contexts, and relating them in ways that are not limited by traditional algorithms (Howden, 1989).
- In the primary grades, children move from developing basic counting techniques to understanding number size and relationships, place value and operations. However, students develop this understanding at different rates. Some young children can count 13 objects, but they do not see that 13 is one group of ten and 3 ones. Others can group objects into tens and ones and understand their numerical representation.


## What's Involved?

- Understanding that numbers represent different quantities - that three dots is the same as the numeral " 3 " or the word "three."
- Grasping magnitude - that 23 is bigger than 17.
- Getting the concept that numbers can be broken into parts - that 5 is the same as 2 and 3 , or 4 and 1 .
- Showing on a number line that the difference between 10 and 12 is the same as the difference between 20 and 22 .


## How Can Number Sense Be

## Developed?

- Group work with problem solving
- Variety of classroom activities such as the use of graphic representations, daily routines, and games


## Resources for FREE Math Center Activities

http://www.k-5mathteachingresources.com/kindergarten-math-activities.html

- http://www.kidscount1234.com/mathcentersandgames.html
http://www.confessionsofahomeschooler.com/math-printables
http://deceptivelyeducational.blogspot.com/2011/08/10-pin-addition-math-bowling.html
- http://mrsriccaskindergarten.blogspot.com/2012/01/math-station-freebies_07.html
- https://smart.wikispaces.hcpss.org/Grade+1-2+Learning+Links


## Math Sticks

by Deeanna at Golden Gang Kindergarten

- Large pipe cleaners with pony beads
- Each student has their own "stick" so they can manipulate the beads to find combinations
- Can use whole group or for centers
http://goldengangkindergarten.blogspot.com/search/label/Math



## Card Games

- War
- Crazy Eights
- Uno
- Line-Up (or Card Dominoes)
- Before or After

- I Doubt It - The 40 cards 1 through 10 are dealt. No one lets the others see his cards. The first player puts a 1 in the middle of the table, face down, saying "One". The second player then places a 2 on top of the first card, also face down, saying "Two". A player who does not have a card that is needed in the sequence uses another card trying to get away with this substitution. Anyone who thinks tat a false card has just been played says "I doubt it." If the doubt it is verified, the person caught must take all the cards on the table and add them to his hand. If the doubt it is not verified, the accuser has to take all the cards. Play continues until one person wins by getting rid of all his cards.
- Tic Tac Toe
- Checkers
- Hop to It
- Candy Land
- Chutes and Ladders
- Fifty Chips
- Bingo



## Board Games

## Physical-Knowledge Games

The movement of objects belongs to physical knowledge. All babies and very young children develop their logico-mathematical knowledge as they act on objects to produce desired effects (Kammii \& DeVries, 1978/1993).

- Pick-Up Sticks
- Bowling - 12 empty plastic bottles with some sand in them
- The Balance Game


## We did it!



## Games/Activities Involving Addition and

## Subtraction

- One More
- Cover-Up
- Dominoes
- Dog Treats Activity
- Ice Cream Scoops Activity


## Addition Balance Game



## One More Games

## More Math

Center Activities


Presenter:

## Tiffany Zule

Kindergarten Teacher
Jackson Heights Elementary

Citations:
Young Children Reinvent Arithmetic
Shari Sloane
Heidi Butkus
Tara West
Golden Gang Kindergarten

## Questions?

## Jamie.wells@jhcobras.net

## Kay.smith@jhcobras.net

Tiffany.zule@jhcobras.net

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\begin{gathered}
\text { It's } \\
\text { Giveaway } \\
\text { Time! }
\end{gathered}
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