WELCOME!
Apps for Pre-Math Skills

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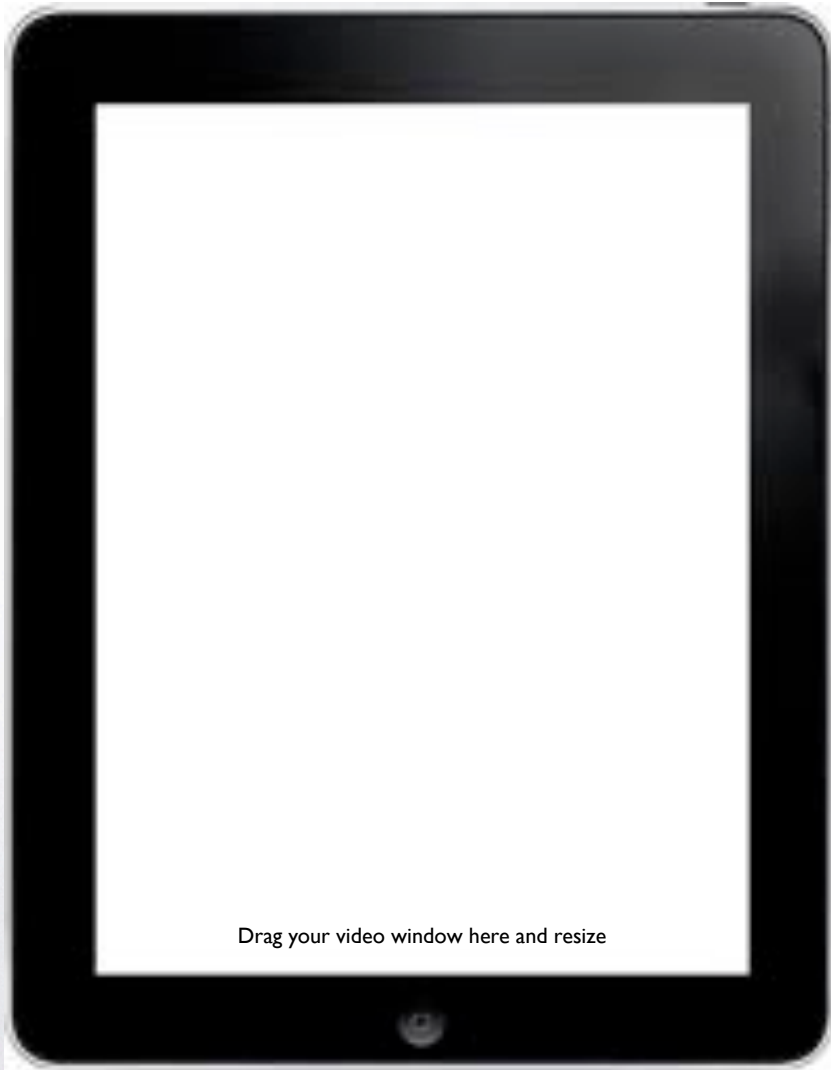
Barbara Welsford, M.Ed., ATP,
ATS, LDATS, ADE
Assistive Technology Specialist

Lindsay Welsford, BSc., B.Ed,
M.Ed.

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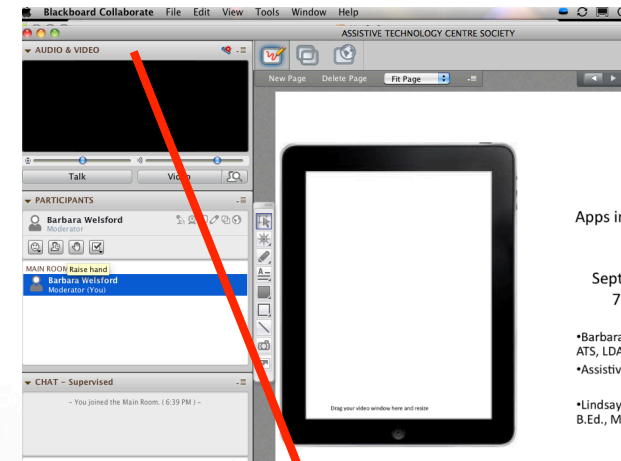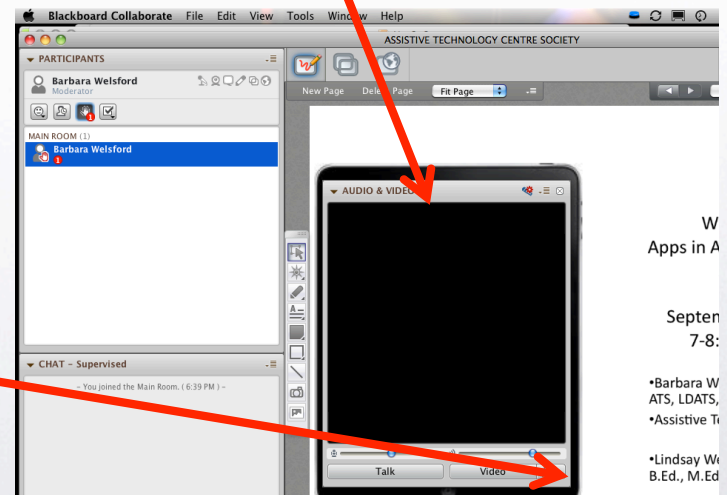Hold down your mouse on the Audio and Video window toolbar and drag the window down to the iPad on the whiteboard

2

Click on the bottom right had corner of the video window and drag down to the right to enlarge your view

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Assistive Technology Centre Society

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ASSISTIVE TECHNOLOGY CENTRE
SOCIETY

ASSISTIVE TECHNOLOGY CENTRE
Technology solutions for people with disabilities

Assistive Technology
Centre Society
Registered Canadian
Charity

Providing Assistive
Technology Services and
Supports to individuals
with disabilities since 1993

Presenter

Barbara Welsford, M.Ed., ATP, ATS, LDATS, ADE

Assistive Technology Specialist

Barbara Welsford, M.Ed., ATP, ATS, LDATS, ADE
Apple Distinguished Educator 2011
Proloquo2go Certified Trainer
Assistive Technology Specialist

In the field of AT for over 25 years
Assistive Technology Specialist SSRSB

Works with students from K-12 and Early Intervention Program
1 year prior to entering school. All abilities. All AT.
Designs and teaches Graduate courses in Assistive Technology
for Acadia University and St.Fx University

Cofounder of the ATCS 1993

 Distinguished Educators

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Presenter

Lindsay Welsford, B.Sc., B.A., B.Ed., M.Ed.

Program Support Teacher/ Learning Centre Teacher   Forest Heights Community School Currently works with highest needs students in a Learning Centre environment, including numerous students with severe autism
grades 10-12

Previous employment with the University of New Brunswick as the Assistive Technology Mentor

Has also worked in a recreation capacity with the Queen Alexandra Centre for Children's Health, Victoria, BC (ages 6-19)
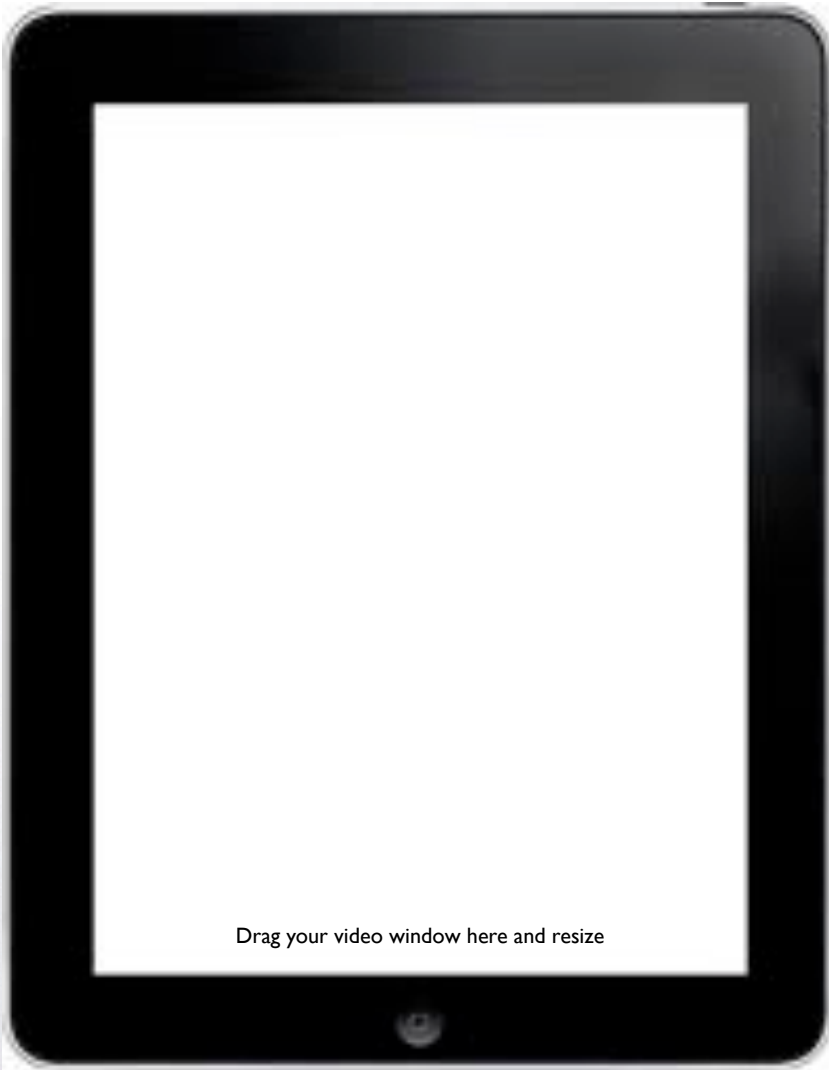
WEBINETTE OVERVIEW

• Shape Up!
• Autism Colors
• Alien Buddies
• Clean Up: Category Sort
• Drawing Pad
• ABA – Problem Solving – what does not belong

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List of Pre-Math Skills by Topic

- Data Analysis and Probability
    - Match Objects to duplicates
    - Match Objects by colour
    - Sort objects by colour
    - Identify primary colours
- Geometry
    - Match duplicate 2D shapes
    - Sort duplicate 2D shapes
    - Sort similar 2D shapes
    - Choose 1 attribute to sort
- Numbers and Operations
    - Attend to math
    - Touch and explore manipulatives
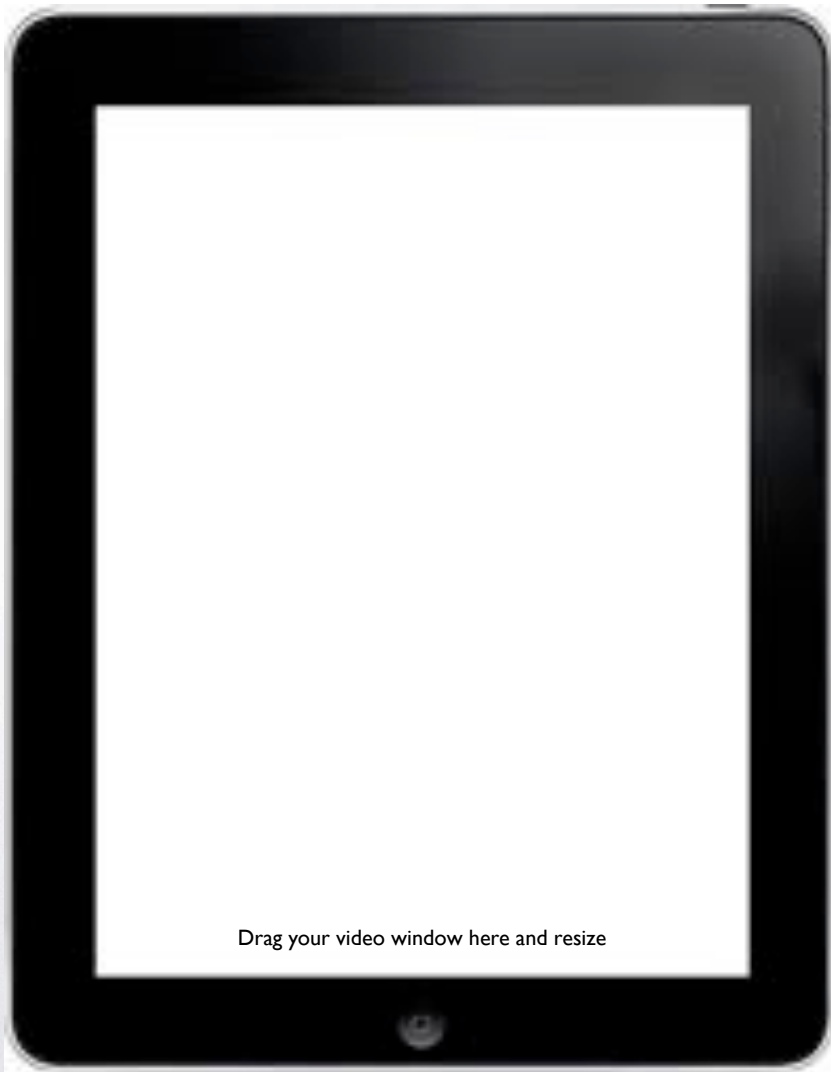   - Make a choice
    - Understanding of cause and effect

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Shape Up!

$ 2.99

• Four little cows – Bluebell, Violet, Rosie and Buttercup – bored of their square meadow, want to escape. To do so they will need help to remove the posts at the corners of the meadow.
• Draw shapes, in which children learn how to draw basic shapes and are rewarded with stamps of our little cows
- Spot the Difference, that requires dexterity and care from the little fingers to complete.

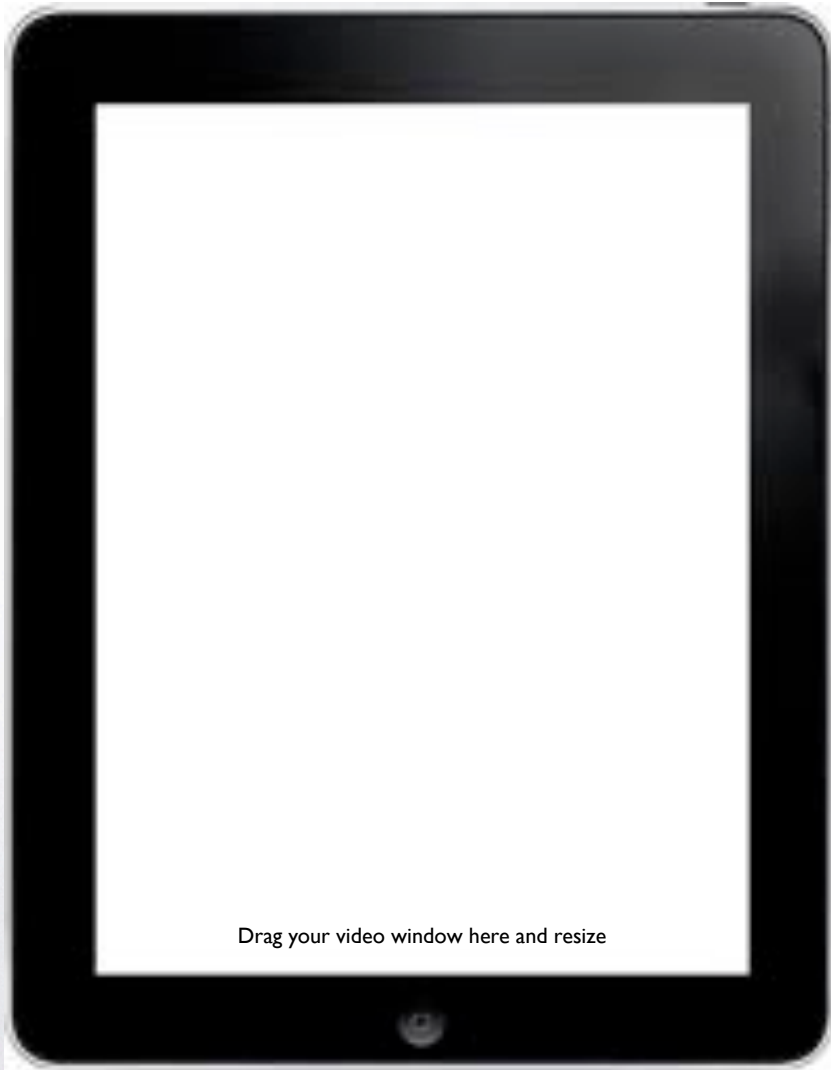• Assessment Idea: Check list (which shapes, on request, were they able choose and draw independently);

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Shape Up!

Autism Colors

$13.99

• Discrete Trial Training
• Fully automated and has been tested with children with autism at The Children's Treatment Center
• Very simple with no distracting stimuli
• Not designed to be a general purpose game, but rather a clinically tested training approach for children with a specific type of disability.

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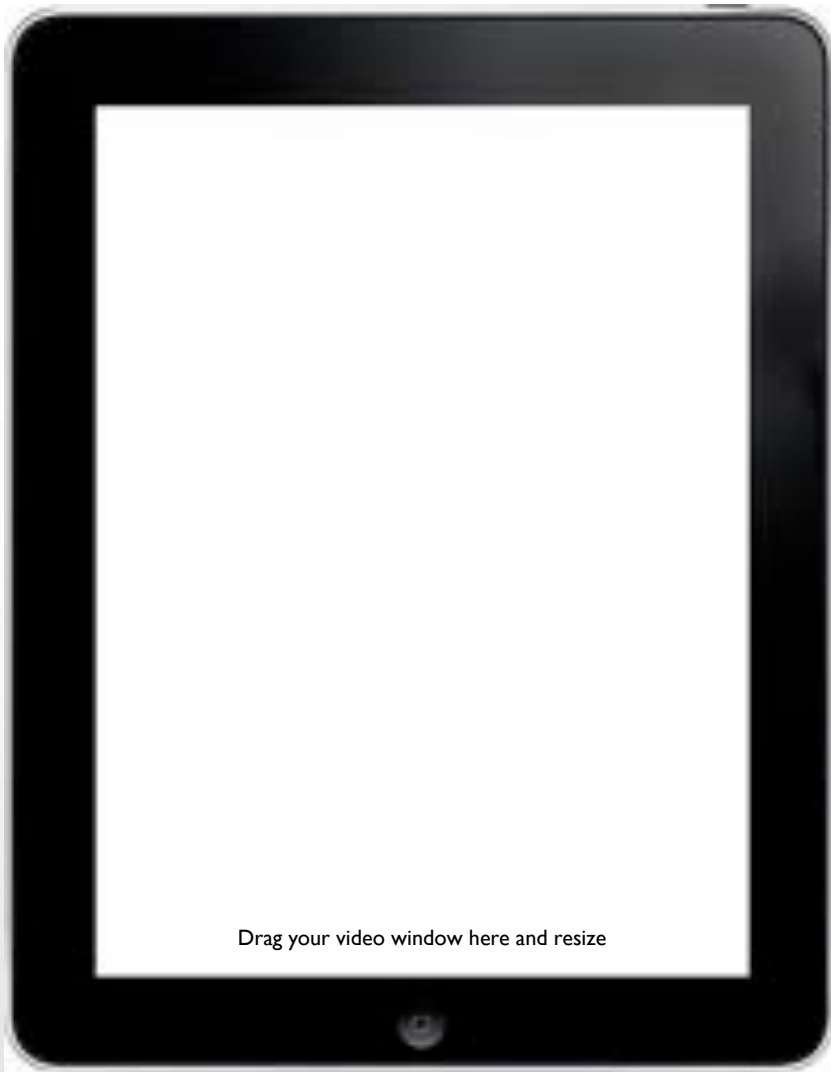Autism Colors

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Alien Buddies

$1.99

• Matching: color, shape, letter and number recognition (audio and visual modes)
• Visual and audio Matching games: the cast of cute and quirky characters will lead your child on an engaging journey to reinforce fundamental skills: *recognizing colors, shapes, numbers and uppercase and lowercase letters*
• Turn music/ sound effects on/of and reset completed games under "Parents" button

• Assessment Idea:

Clean Up: Category Sort

Free

• Students sort items, according to where they would be kept
• Assessment: Limit the number of objects, then use the percentage on the top right

Drawing Pad
$ 1.99

• Primarily an art program
• Access "stamps", which are easily moveable
• Student can sort them according to specific features, colour, etc.
• Save or email finished image

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Clean Up & Drawing Pad

**ABA- Problem
Solving – What does
not belong**

Free

• Customizable: Voice, Images, Concepts
• Dynamic game play adjust difficulty automatically
to keep kids both challenged and entertained. If
you select progressive game play then the game
starts with easy concepts (e.g. touch the circle)
and proceeds to advanced concepts (touch the
bigger circle) automatically.

• Implementation Idea: With a partner, students can
discuss each item and decide which doesn't belong
(noticing lines, colour, direction, etc.). The students
could also discuss this with a teacher.

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ABA Problem Solving