Developmentally Appropriate Practice with Technology:

Teaching in the Digital Age

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Brian Puerling
Director of Technology Education
Catherine Cook School

Big ideas to remember

- Enhance learning, development, interactions, communication, and collaboration
- Educators need to be knowledgeable in how to select, use, integrate, and evaluate technology
- Selecting technology should be done similar to choosing any other material or equipment
- Technology can be used to measure, assess, record, plan, and share

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Big ideas to remember

- Access to technology should not diminish any other classroom classroom experiences
- Provide an individualized experience
- Lack of knowledge can lead to inappropriate use
- Teachers need to observe how children engage and interact with technology
- Prepare children for life-long technology use

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Big ideas to remember

- Teachers need to be knowledgeable about technology in order to defend practices
- Digital play is important
- Children need experiences to save, document, and revisit real-life experiences through images, stories, and sounds
- Technology should be aligned with curriculum goals

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Big ideas to remember

- "Book handling skills", similar to "tech handling skills"
- Another outlet to demonstrate creativity and learning
- Digital citizenship in 21t century

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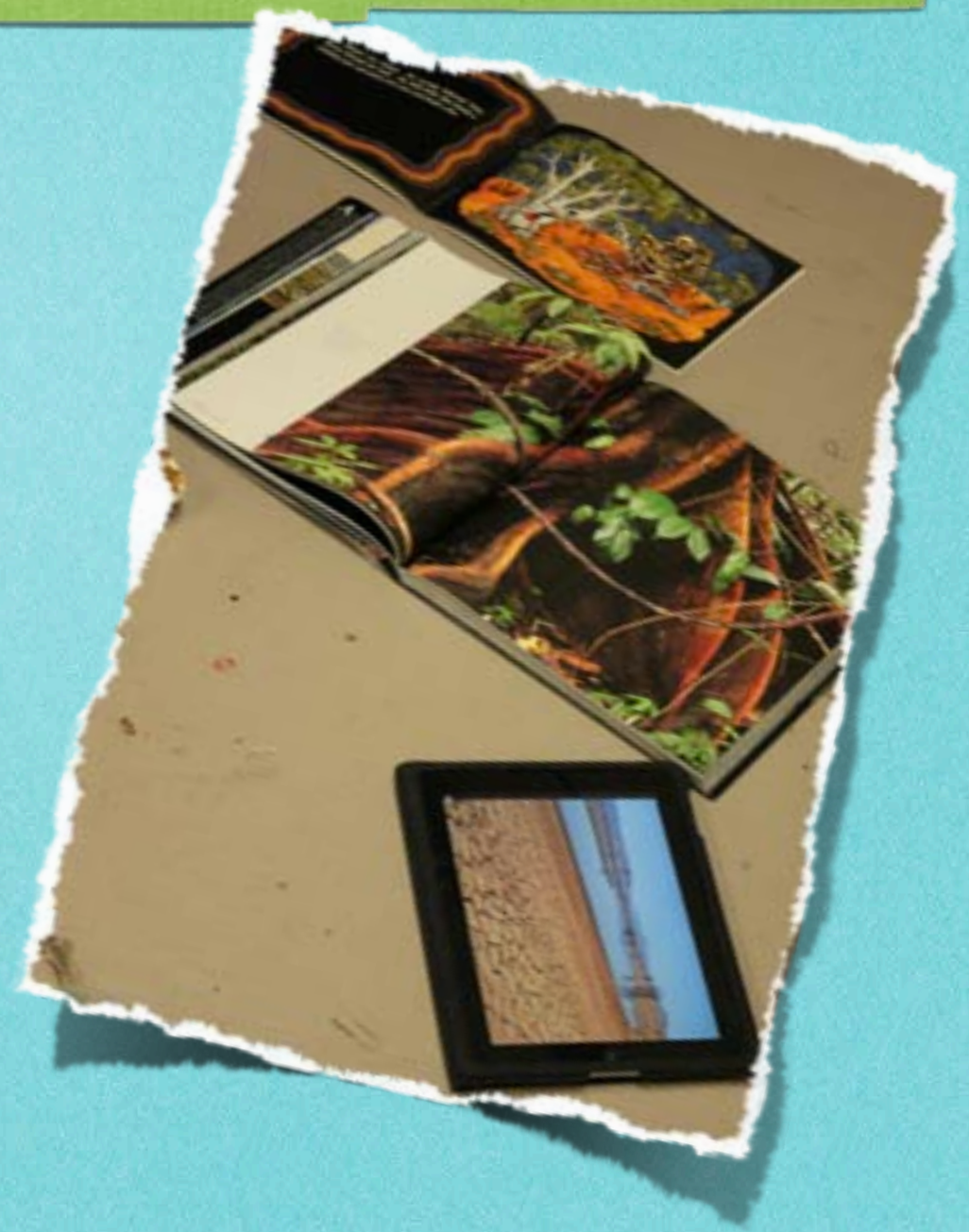
Remember...

- Technology is to be used among many other resources and experiences!



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and also...

- Technology is woven within the fabric of daily routines and transitions

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Photographs

- Build background knowledge
- Generate questions
- Develop observation skills
- Gather information about classroom routines experiences

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Getting ready for picture day..

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getting to know the camera....

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getting to know the camera....

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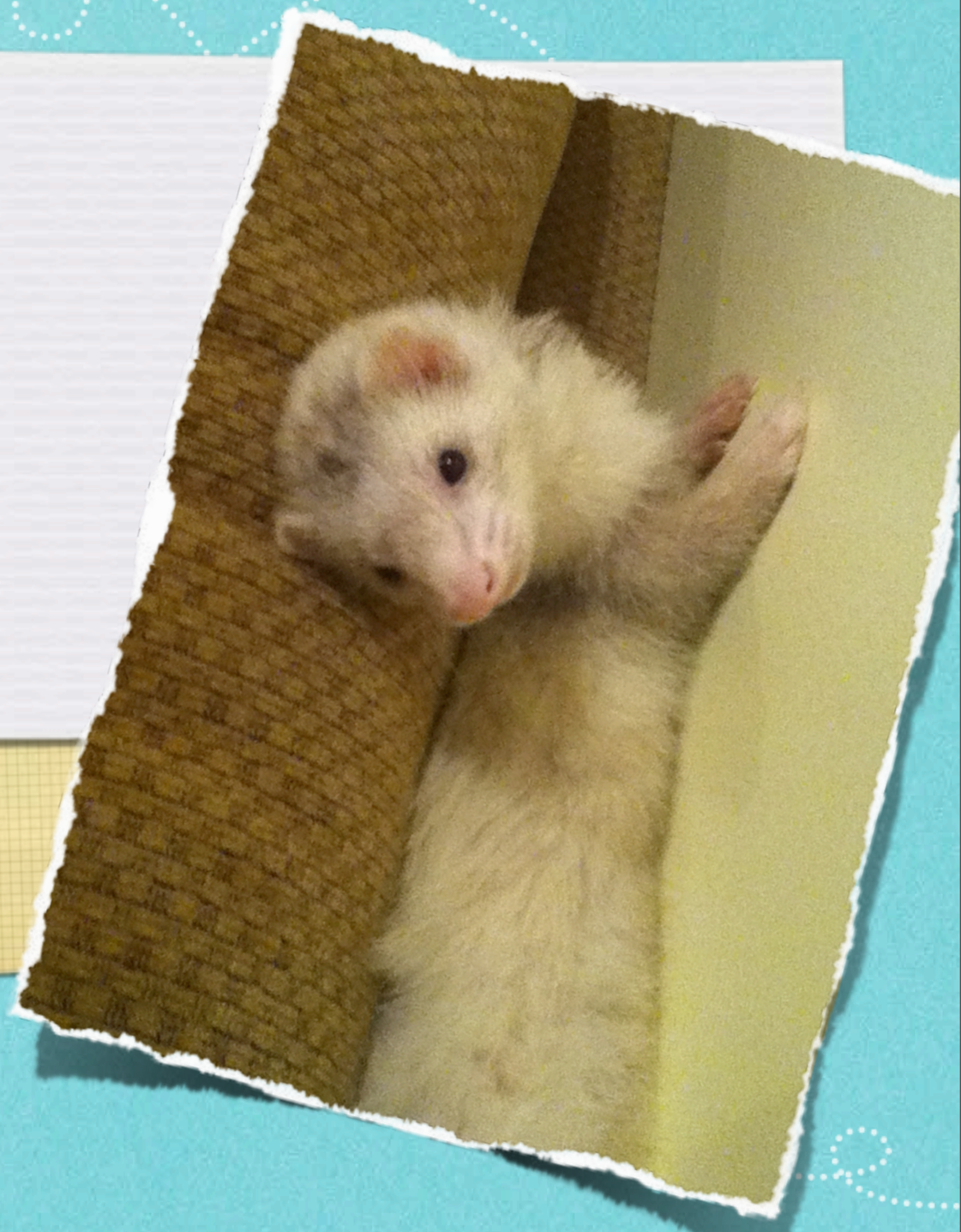

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getting to know the camera....

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Moving into the coming months...

- Consider small groups of children observing photographs of the many varieties of pumpkins
- Photographs of various landscapes with color spreads of fall leaves
- Photographs of families and seasonal traditions

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Audio Recordings

- Capture moments in the day
- Another set of ears
- Listen to particular points over again

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Audio Recordnig Devices

- digital audio recorder
- cell phone
- mp3 player
- multi-touch mobile devices
- iPod
- computer & mic

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What can you do with your recordings?

support learning

- Enhance a Listening Center with:
  - Family read alouds
  - Other unique read alouds
  - Enrichment teachers
  - Other classroom guests

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A Listening Center at a child's pace

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What can you do with your recordings?

support learning

- recording a song and listening for points that need practice
- collaboration with enrichment teachers

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What can you do with your recordings?

support assessment

- record readings: one-on-one & small group
- record teacher-child conferencing: writing & reading
- record children "reading" their stories
- record children's conversations during centers (dramatic play, block, etc)

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What can you do with your recordings?

support reflection

- use recordings to share with other professionals
- inform instruction: re-teaching, pacing adjustments, focus adjustments
- determine children's interest for upcoming investigations
- identify misconceptions
- listen in on children's processing

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Recording Reflection

Children _____

Context _____ Time of day _____

Date _____ Teachers Present _____

What were the children doing within this recording?

_____

_____

_____

What skills are addressed in this recording?

_____

_____

_____

Based on what you heard in this recording, what instructional decisions have you made for future teaching?

_____

_____

_____

What is your plan for future teaching?

_____

_____

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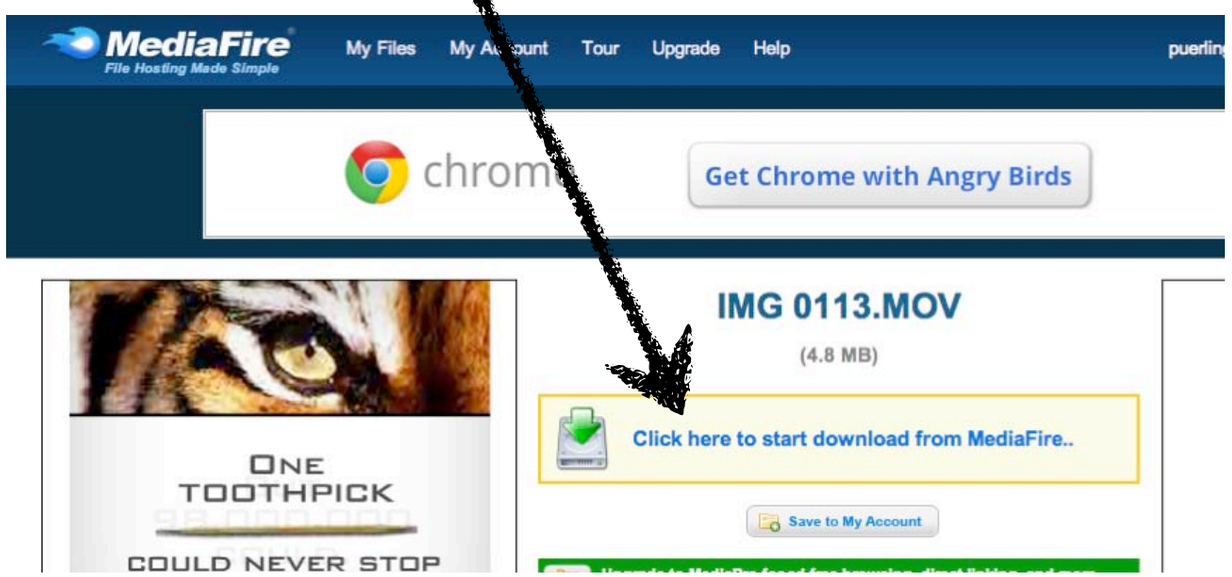
This webinar contains QR codes for you to access videos which exhibit some strategies.

QR Code

Click/touch here to view video clip



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Recording Reflection

Children Kendall

Context One-one-one Time of day morning

Date 4/18/10 Teachers Present Brian

What were the children doing within this recording?

Kendall and I read a story together, then he attempted to read a story.

What skills are addressed in this recording?

Kendall clearly has several letter sounds down. He is using the sounds he knows to begin reading. He appears confident trying new words.

Based on what you heard in this recording, what instructional decisions have you made for future teaching?

Go through Boundless Reader books with Kendall to find a few to send home with him. Show Kendall the "sh" blend.

What is your plan for future teaching?

continue working with Kendall one-on-one.

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Webcams & Video-Conferencing

- Classroom community
- Involve families
- Learn from experts

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Building Classroom Community

- Maintaining communication
- Valuing family members
- Developing awareness of technology possibilities

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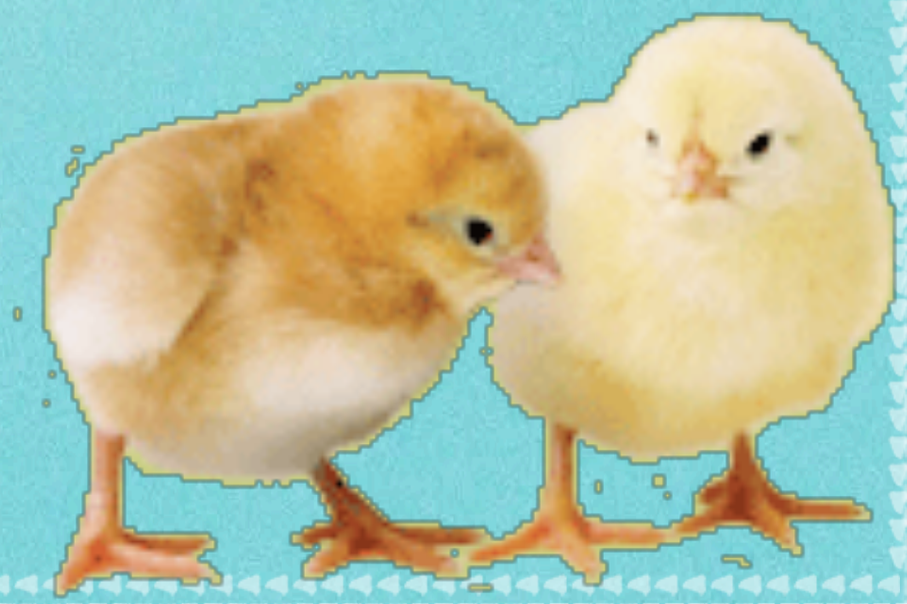
Baby Chicks!

- Streaming with chick hatching
- Working families can still participate in classroom functions



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Learning from the Experts

- Community members: firefighter, police officer, etc
- Museum individuals
- Consider parents/family members as experts

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A Story Before Bed

- Literacy development
- Family involvement
- Builds classroom community
- Identity as a reader

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Going public with learning!

children sharing with other children

- Share what your class has learned with other children!
- Partner with another school/classroom
- Video diaries or live video conferencing

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Preparing for New Experiences

children sharing with other children

- Partner with a nearby Kindergarten or 1st grade class
- Teacher discusses what to expect in next grade/new school
- Children from Kindergarten and first grade to discuss what to expect the following year

Projectors

- SmartBoards
- LCD Projectors
- Document Cameras

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Poll Question #1

How do you feel about your current use of technology with children?

a. I feel I know next to nothing

b. I've tried a few things

c. I feel fairly competent

d. I feel extremely competent

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Bringing literacy and social-emotional development together

Supporting literacy skill development

Confidence in taking risks

Using authors to explore a concept

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Objectives

- Discuss technology in the lives of young children today
- Discuss the upcoming position statement
- Discuss strategies and practices which align with the statement
- Explore strategies for planning and implementation
- Explore helpful resources

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Technologies

- Photographs
- Audio Recordings
- Webcams & Video-conferencing
- Projectors
- Video Snapshots
- Multi touch mobile devices

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Why technology?

- People use technology daily
- New ways of communicating, creating, and gathering information
- Digital age - instant access to information

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NAEYC Position Statement

(under revision)

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