While you are waiting for Teacher Time to begin…

Download the Viewer's Guide from the "Resources List" icon.
Use the Viewer's Guide to take notes and follow along during the webinar.

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TEACHER TIME

Little Scientists — Exploring **Technology** with Preschoolers

January 7, 2019

Hosts:
Judi Stevenson-Garcia &
Treshawn Anderson

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STEAM for Infants, Toddlers & Preschoolers

3

STEAM
S.T.E.A.M.
STEAM
S.T.E.A.M.

4

Q & A Facilitator:
Jan Greenberg

5

Guest Expert:
Gail Joseph
University of Washington
Don't just READ it…STEAM it!

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Viewer's Guide

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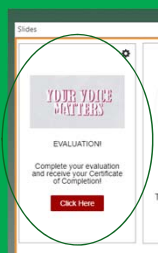

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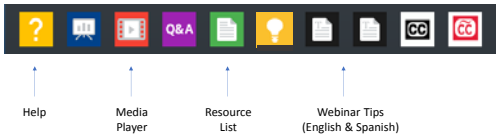

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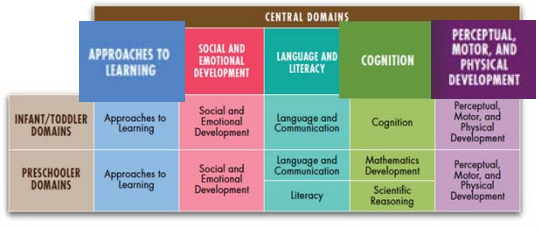
Early Learning Outcomes Framework (ELOF)



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Teacher Example Video

- Pay attention to the knowledge and skills children are developing.
- How does the teacher use technology to support children's learning?

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Teacher Time Minute

How did the teacher support children's use of technology?

Teacher Time

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Supporting TECHNOLOGY Learning

Engaging Environments

Nurturing, Responsive, and Effective Interactions

Learning Experiences and Opportunities

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Supporting TECHNOLOGY Learning

Engaging Environments

Materials are:

Open-ended

Varied

Accessible

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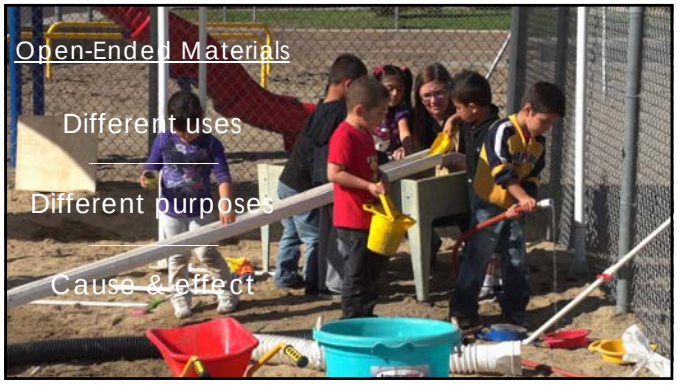

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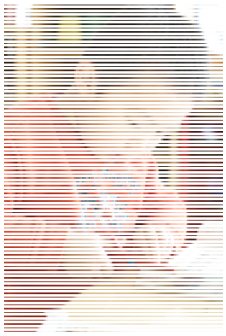

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Varied Materials
Reflect children's interests
Support complex exploration
Represent cultures & families

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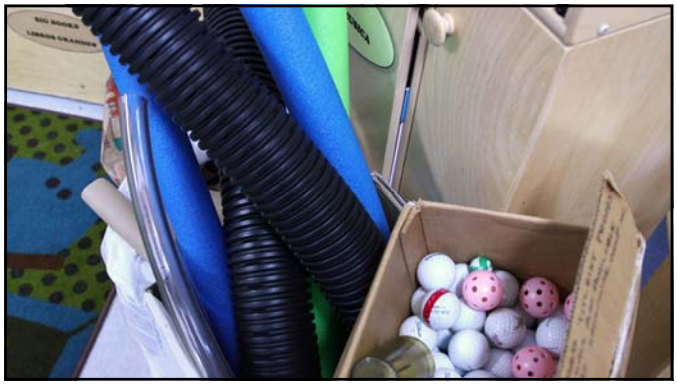

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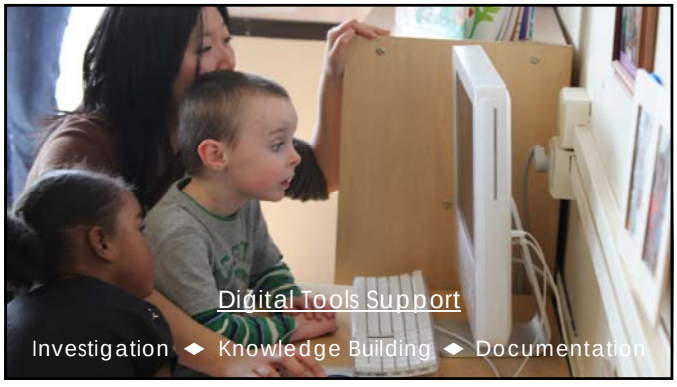
Digital Tools Support
Investigation ◆ Knowledge Building ◆ Documentation

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Digital Tools Support
Investigation ◆ Knowledge Building ◆ Documentation

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Digital Tools Support
Investigation ◆ Knowledge Building ◆ Documentation

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Digital Tools Support
Investigation ◆ Knowledge Building ◆ Documentation

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Teacher Example Video

Look for open-ended, varied, and accessible materials.

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Idea Widget

Open-ended | Varied | Accessible

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Open-ended

Varied

Accessible

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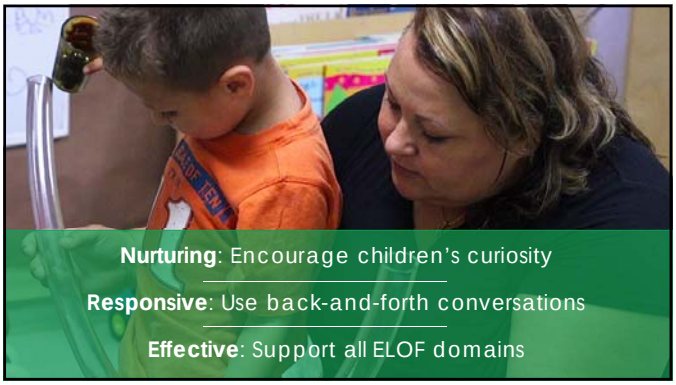

Nurturing: Encourage children's curiosity

Responsive: Use back-and-forth conversations

Effective: Support all ELOF domains

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Use scaffolds

Encourage children to use the inquiry cycle

Speak technology

Listen and model a questioning mind

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Use scaffolds

I will hold the paper while you cut.

Try pressing a little harder with the glue stick and see if that works.

What if we hold the tube at a different angle? Would that help?

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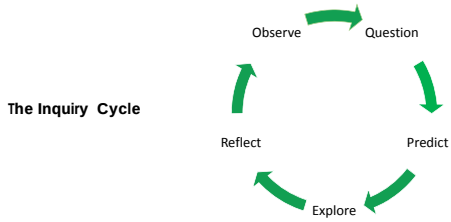

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Encourage children to use the inquiry cycle

Why does the light shine through some objects but not others?

Do you think a spoon or a fork would work better for eating rice?

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Speak Technology

I noticed you used the scissors to cut the paper into small pieces.

I wonder why this roller made bumps while the other roller made it smooth.

These tools look like they could help solve different types of problems.

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Listen and Model a Questioning Mind

I wonder what we could we use to connect your picture to the fence?

I am trying to make this paper towel telescope longer. Any ideas?

What tool worked best to get the glue on your paper plate?

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Teacher Example Video

How does this teacher support the use of technology to make patterns?

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Teacher Time Minute

How did the teacher support the child's use of technology to make patterns?

Teacher Time

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Use scaffolds

Pointed with child as she said the pattern

Provided choice of blocks that might complete the pattern

Support use of the inquiry cycle

Asked, "What color do you think comes next?"

Speak technology

Encouraged child to say colors in the pattern

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Supporting TECHNOLOGY Learning

Engaging Environments

Nurturing, Responsive, and Effective Interactions

Learning Experiences and Opportunities

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Guest Expert:
Gail Joseph
University of Washington

Don't just READ it…STEAM it!

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Don't just READ it…STEAM it!

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Technology and the Arts

Creativity

Curiosity

Compare & Contrast

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Teacher Example Video

How can you make connections with **art** & **technology** in your learning environment?

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- Asked children for suggestions
- Scaffolded the children's ideas
- Allowed for independence and creativity

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Support TECHNOLOGY Learning

Engaging Environments

Nurturing, Responsive, and Effective Interactions

Learning Experiences and Opportunities

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Science
Technology
Engineering
Art
Math
STEAM 15 Minute
In-Service Suite
Understanding STEAM and
how children use it
STEAM iPDF
STEAM

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MyPeers
Effective Teaching Practices
Education Leaders Community
HEAD START SCHOOL CONNECTIONS
HOME VISITING

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DUAL LANGUAGE LEARNER CELEBRATION WEEK
SPRING INTO PRACTICE
Join the Celebration & Spring into Practice!
Sign up for the DLL Celebration Week Elearning Experience on the Individualized Professional Development Portfolio (iPD) on the ECLKC
Join the Culturally and Linguistically Responsive Practices (CLRP) MyPeers Community to share ideas and get resources
Go to the iPD and sign up! The focus will be:
Tuesday, Feb. 18:
Value of Supporting Home Language Learning and English
Wednesday, Feb. 19:
Intentionally Creating a Welcoming Environment
Thursday, Feb. 20:
Making Connections for Children Who Are DLLs and their Families
Friday, Feb. 21:
Spring into Action!
NCECDTL
JOIN US
ON THE iPD
#BrilliantDualLanguageLearners
NCECDTL

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Helpful Resources

Resources:

- T4T
- ELOF2GO

Upcoming Teacher Time Episodes:

Feb- Little Scientists— Exploring **ENGINEERING** with Infants and Toddlers

Mar- Little Scientists—Exploring **ENGINEERING** with Preschoolers

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RESET