

While you are waiting for Teacher Time to begin, please **download the Viewer's Guide** found in the "Resources" icon.

Use your Viewer's Guide to follow along with us during the webinar.

1



TEACHER TIME

Little Scientists: Exploring **Technology** with Infants and Toddlers
December 3, 2019

Hosts: Judi Stevenson-Garcia & Treshawn Anderson


Guest Expert: Dawson Nichols, iLABS

NCECDTL

NATIONAL CENTER ON
Early Childhood Development, Teaching and Learning

2

STEAM for Infants, Toddlers & Preschoolers




Science Technology Engineering Art Math

3




4

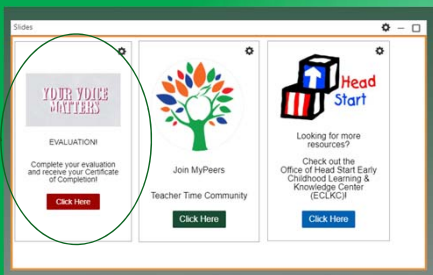
Guest Expert:
Dawson Nichols, ILABS
University of Washington



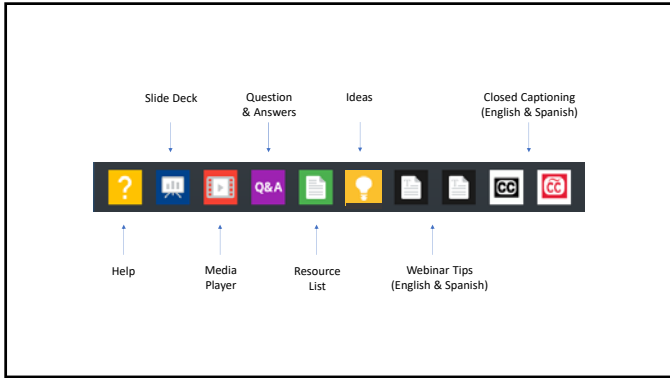
Q & A Facilitator:
Jan Greenberg
NCECDTL



5



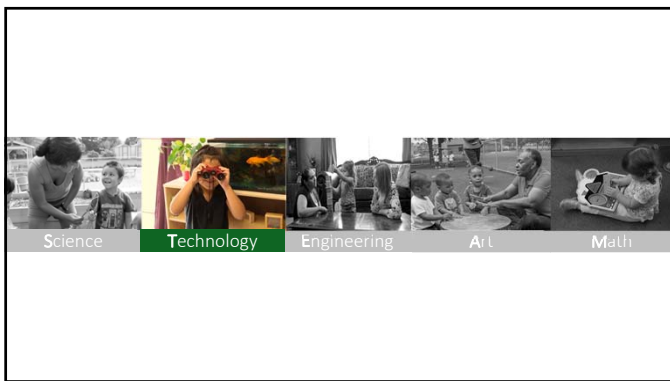
6



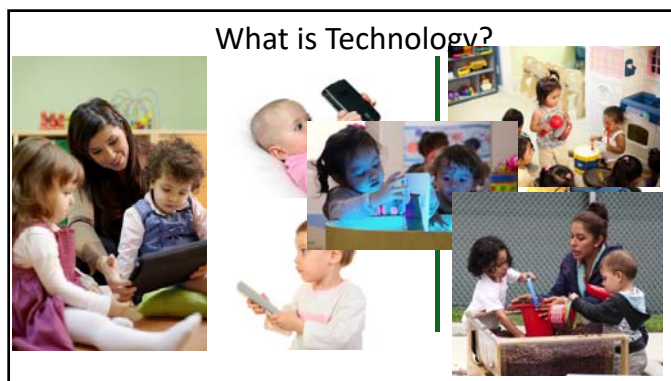
7



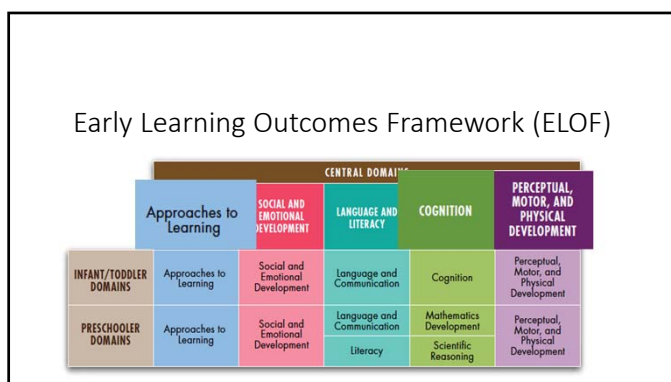
8



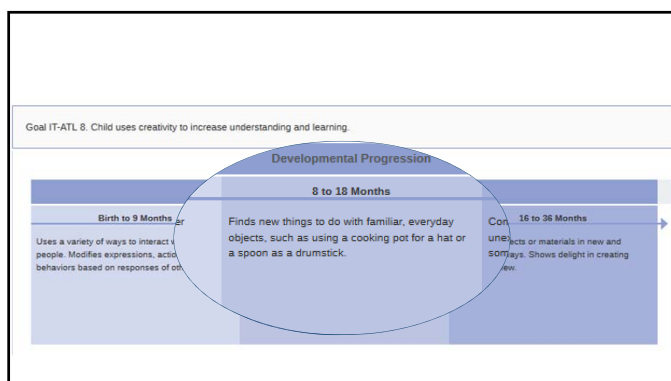
9



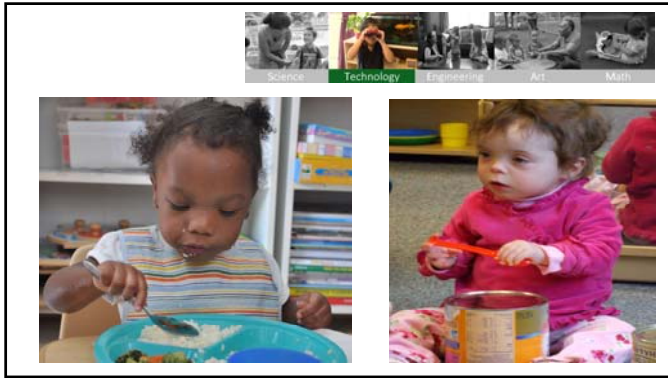
10



11



12




13

What would you do or say to support children's exploration with spoons?


Teacher Time

14



Describe how children use the spoon

Encourage children to hold & use spoons

Model different uses for spoons

Use self-talk

15

Support Technology Learning





Engaging Environments

Nurturing, Responsive, and Effective Interactions

Learning Experiences and Opportunities

16



Open-ended

Varied

Accessible

17



Open-Ended Materials

Can be used in more than one way

Support creativity

18



19



20



21



22



23




24



25



26



**Engaging
Environments**

Open-ended
Different sized cylinders and tubes
Clear, plastic water jugs

Varied
Colorful plastic curlers & sticks

Accessible
Low shelves
Materials on floor

27

Favorite open-ended materials?
Do you have variety?
Are your materials accessible?



28

Nurturing, Responsive, and Effective Interactions

Children feel safe.

Children experience consistent, positive interactions with caring adults.

Staff actively engage with children during their explorations.



29



Use scaffolds

30



31

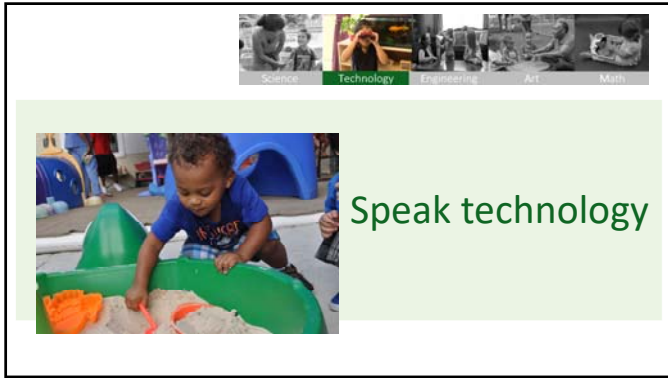
Science Technology Engineering Art Math

Introduce basic inquiry skills

32



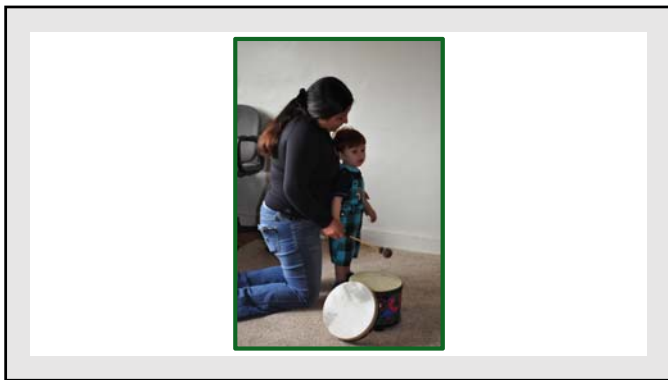
33



Science Technology Engineering Art Math

Speak technology

34



35

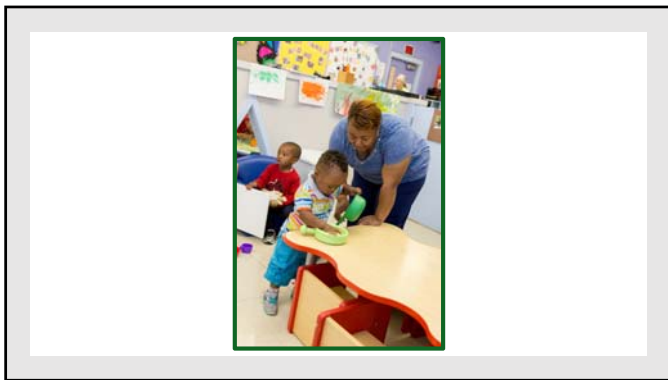


36



Encourage children to communicate

37



38




What might this teacher say to:

- Scaffold?
- Introduce basic inquiry skills?
- Speak technology?
- Invite the child to communicate?

39




Teacher Time

What might this teacher say to:

- Scaffold?
- Introduce basic inquiry skills?
- Speak technology?
- Invite the child to communicate?


40

What might this teacher say to support this child's technology learning?



Share your ideas!!!

41



- **Scaffold**
 - I'm putting my fingers on top of yours to help you cut.
- **Introduce basic inquiry skills**
 - I wonder if one pair of scissors are easier to use than the other pair?
- **Speak technology**
 - Scissors are a great tool for cutting things like paper!
- **Invite the child to communicate**
 - What other kinds of tools are used to cut things?

42



Learning Experiences & Opportunities

Guest Expert:
Dawson Nichols
Ilabs, University of Washington

43

Use everyday items

Encourage pattern recognition

Speak technology



Learning Experiences & Opportunities

44



Technology + the Arts =

45



46



47

What are some ways you can connect the arts and technology in your program?



Teacher Time

48

Support Technology Learning



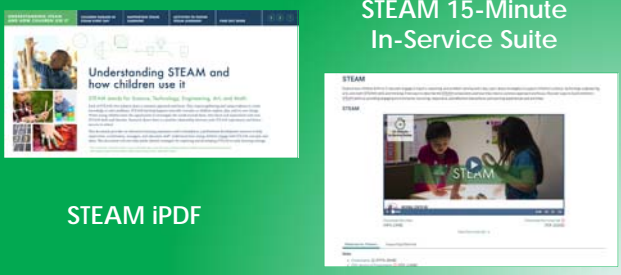
Engaging Environments Nurturing, Responsive, and Effective Interactions Learning Experiences and Opportunities

49

Understanding STEAM and how children use it

STEAM 15-Minute In-Service Suite

STEAM iPDF



50

MyPeers



51

January 7
Exploring **TECHNOLOGY**
with Preschoolers

February 4
Exploring **ENGINEERING**
with Infants and Toddlers



The image displays four logos for educational technology. On the left is the 'Ready DLL' logo, a red square with a white circle containing the text 'Ready DLL'. Below it is the 'Text4Teachers' logo, a white speech bubble with a green border containing 'T4T' and 'Text4Teachers' below. To the right are two smartphone screens. The left screen shows the 'ELOF2GO' app interface with the text 'Your Mobile ELOF Ages Birth to Five' and a bar chart. The right screen shows the 'MIELOF' app interface with the text 'So ELOF school' and a bar chart.
