

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 **SCIENCE** with Infants and Toddlers

October 1, 2019


Hosts: Judi Stevenson-Garcia & Treshawn Anderson

Guest Expert: Gail Joseph

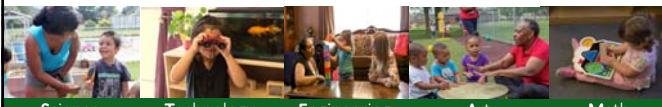


NCECDTL

2



STEAM for Infants, Toddlers & Preschoolers

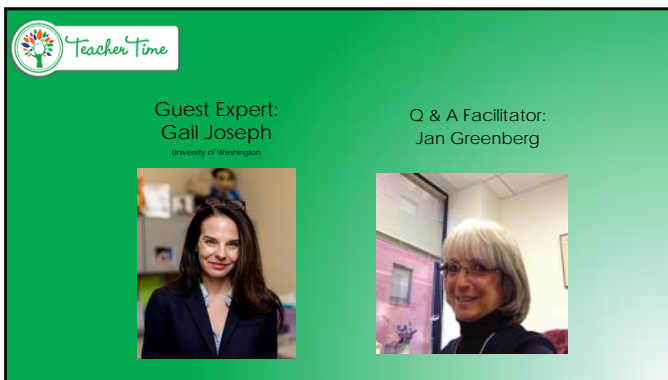


Science Technology Engineering Art Math

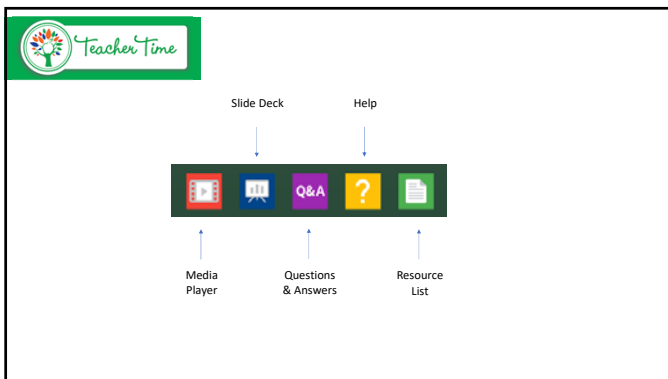
3



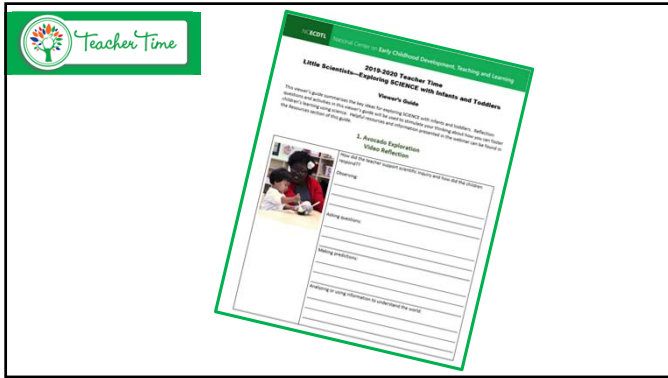
4



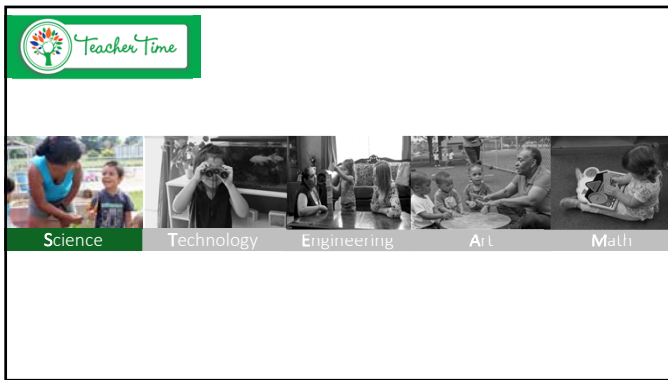
5



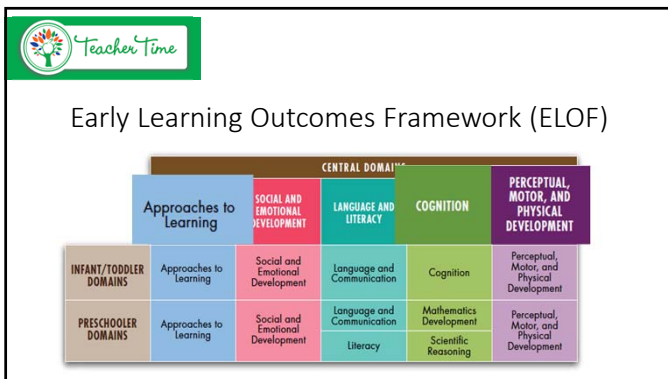
6





7



8






9

- Science includes the use of inquiry skills:
 - Observing
 - Asking questions
 - Making predictions
 - Analyzing or using information to understand the world

10




- Children have a sense of wonder and natural curiosity.
- Closely observe for their questions and interests.


11


 **Teacher Time Minute**



12

 **Teacher Time**





- **Observation**
 - Children held the avocado, rolled it, poked it, threw it.
 - "You are experimenting with rolling your avocado."
- **Asking questions & making predictions**
 - "What do you think is inside the avocado?"
- **Analyzing or Using information**
 - She included science when she mentions the avocado's round shape that enables it to roll.

13

 **Teacher Time**

Supporting SCIENCE Learning


Engaging Environments


Nurturing, Responsive, and Effective Interactions


Learning Experiences and Opportunities

14


 **Teacher Time**





Engaging Environments

- Open-ended materials
- Variety of materials
- Accessible to all children


15

 **Teacher Time**






Open-ended



Variety



Accessible


16

 **Teacher Time**






Open-ended



Variety



Accessible


17

 **Teacher Time**




Open-ended


Variety


Accessible

18




Engaging Environments



- Open-ended materials
 - Sand, water, buckets
- Variety of materials
 - Water hose
 - Spoke in children's home language
- Accessible to all children
 - Children were allowed to get as messy as they wanted

19



Teacher Time Minute



20




Nurturing, Responsive, & Effective Interactions



- Children are more likely to explore when they feel safe
- Relationships are the foundation of children's learning
- Adults engage with children during explorations to foster children's learning

21

 **Teacher Time**







Nurturing, Responsive, & Effective Interactions



- Use scaffolds
- Introduce basic inquiry skills
- Speak science
- Invite children to communicate

22


 **Teacher Time**




- Use scaffolds



 

23


 **Teacher Time**



- Introduce basic inquiry skills



 

24


 **Teacher Time**

Science Technology Engineering Art Math

- Speak science





25


 **Teacher Time**

Science Technology Engineering Art Math


- Invite children to communicate



26

 **Teacher Time**

Science Technology Engineering Art Math



What are some of the ways this teacher:

- Scaffolded
- used inquiry skills
- spoke science
- invited children to communicate




27



Teacher Time Minute






28


- **Use scaffolds**
 - Shows children how something works
- **Introduce basic inquiry skills**
 - Asks "Where else will it fit?"
- **Speak science**
 - Teacher says words: too big, balance, fit
- **Invite children to communicate**
 - Asks "What are you thinking about? I hear you whispering?"
 - Imitates children saying "hummm"


29

Learning Experiences / Opportunities

30

 Teacher Time



Guest Expert:
Gail Joseph
University of Washington

31


 Teacher Time




Learning Experiences / Opportunities

- Sensory bottles (Empty water bottles)
 - Fillers- Dice, soap, food coloring, foil, glitter, beads, pipe cleaners
- Sensory bins (Empty storage bins)
 - Fillers- pom poms, balls, shredded paper, mylar
- Ice water balloons
- Make it work with WORDS!

32


 Teacher Time



Science Literacy Engineering Art Math

Painting and drawing, pretend play and music:
How do they support scientific thinking?

33

 **Teacher Time**





- Feather is soft and light
- Glue is sticky
- Glue connects objects
- Feather won't stick without glue

34

 **Teacher Time**

Teacher Time Minute



35

 **Teacher Time**

Review


Engaging Environments



Nurturing, Responsive, and Effective Interactions


Learning Experiences and Opportunities

36



37

 **Helpful Resources**




Resources:

- T4T
- ELOF2GO

Upcoming Teacher Time Episodes:

Nov—Little Scientists—Exploring **SCIENCE** with Preschoolers

Dec—Little Scientists—Exploring **TECHNOLOGY** with Infants and Toddlers



The image is a 'Helpful Resources' section. It features the 'Teacher Time' logo at the top left. Below it, there are three main items: a list of resources including 'T4T' and 'ELOF2GO', a section for 'Upcoming Teacher Time Episodes' with details for November (Science with Preschoolers) and December (Technology with Infants and Toddlers), and three icons: 'Ready DLL', 'T4T', and a smartphone displaying the 'ELOF2GO' app interface.

38
