While you are waiting for Teacher Time to begin...



1. Download the Viewer's Guide from the "Resources" icon.

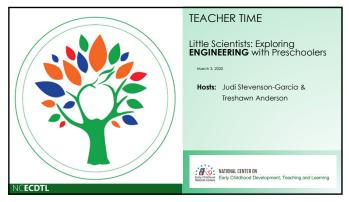
Use the Viewer's Guide to take notes during the webinar.



2. Use the "Ideas" icon to share...

What are some of your favorite building materials to use in your classroom?

1

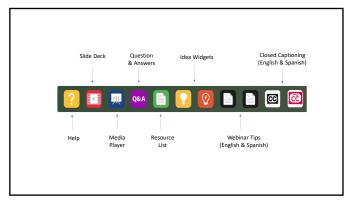


2

STEAM for Infants, Toddlers & Preschoolers

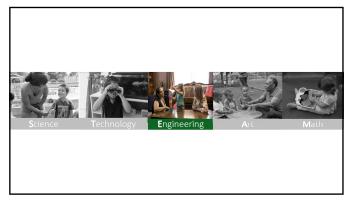












8

## Engineering in Early Childhood



- Using materials in new ways
- Designing
- Testing how things work
- Problem solving
- Building structures

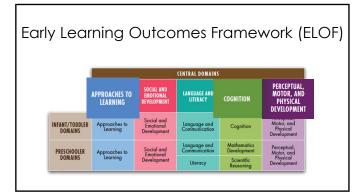
Engineering helps us understand <u>how</u> and <u>why</u> things work.



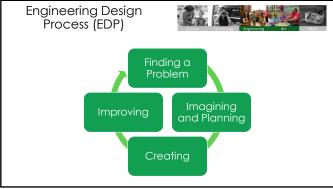


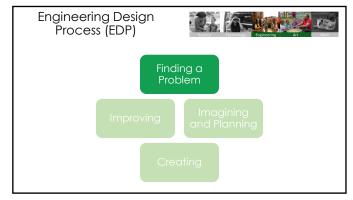


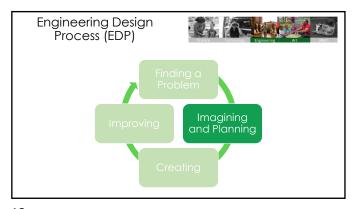


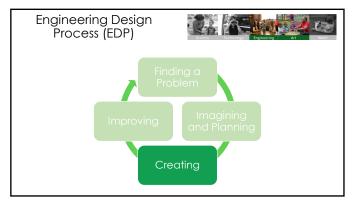


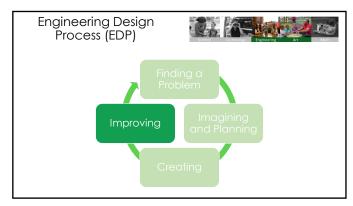


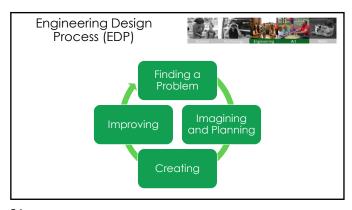


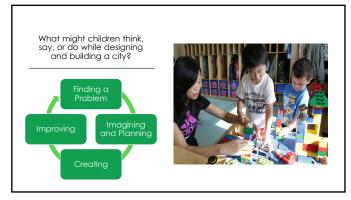




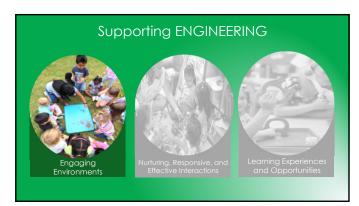












# Supporting Engineering Learning



Materials are:

Open-ended

Varied

Accessible

25



26







# Reflection - Used a variety of open-ended materials - Children brought in items from home to reflect their culture - Materials were easily accessible

# Teacher Time Minute

How open-ended, varied, and accessible are the materials in your learning environment?



31



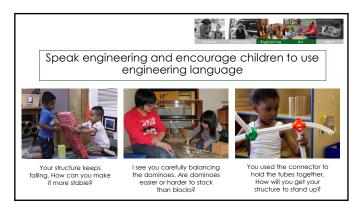
Share your favorite open-ended engineering materials

32













"The battery gives the CD player power. When the batteries are connected to these buttons, the CD player will work because it has power."

37



38

Use scaffolds

Speak engineering and encourage children to speak engineering

Support use of the engineering design process



### Teacher Time Minute

How did this teacher support engineering skills and thinking?



40

### Video Reflection



Use scaffolds



Speak engineering and encourage children to speak engineering

Use mechanistic language

Support use of the engineering design process

41









