

STEM

starts now

Famous Structures

Recommended Age: 53-60 Months

STEM concepts: Science (life science), Technology (simple tools), Engineering(Engineering), Math (patterns and classification)

Materials: various building supplies - blocks, cups, containers, pipe cleaners, straws, anything you see fit, pictures of famous buildings (the White House, Leaning Tower of Pisa, Golden Gate Bridge, Gateway Arch, Eiffel Tower, Great Pyramids, etc) the book *Iggy Peck, Architect* by Andrea Beaty,

What to do: Show the pictures of the different buildings and tell your child they will become engineers to build these structures. Using the different materials see how many great structures they can build!

Language and Communication: Talk about the materials. Discuss which materials look most like parts of the building. Talk about which materials work to hold items up higher or which materials may not work to hold the buildings together. Are there any materials that work to hold other materials together?

Expand the Activity: Add literacy to your activity and a little more of inspiration. Read the book *Iggy Peck, Architect* by Andrea Beaty. Talk about how Iggy uses different materials to make the same buildings they are making. For example, on page 4, Iggy uses DIAPERS to create a model of the Leaning Tower of Pisa!



This activity is inspired by a lesson in the book *Picture-Perfect STEM* by Emily Morgan and Karen Ansberry