

STEM & STEAM Challenges

Example: KEVA Planks and other building materials provide many opportunities to challenge and build critical thinking, problem solving & more.

TRY IT:

Tallest Tower Challenge

Extensions: Can your tower support a weight? Can you build a tower with other materials? What design elements help with stability? strength? etc

(don't have KEVA planks? Try: cups, straws and pipe cleaners, blocks, newspaper, etc)

TRY IT:

Rube Goldberg Machine or Contraptions Challenge

Using Keva plank and a ball (and even incorporate some additional materials if you wish) work through the invention or design thinking process to create new structures by asking yourself: What do you want the ball to do? How might you accomplish this? Now build / prototype your structure... Try it / Test it... Did it work? Revise your plan & repeat!

