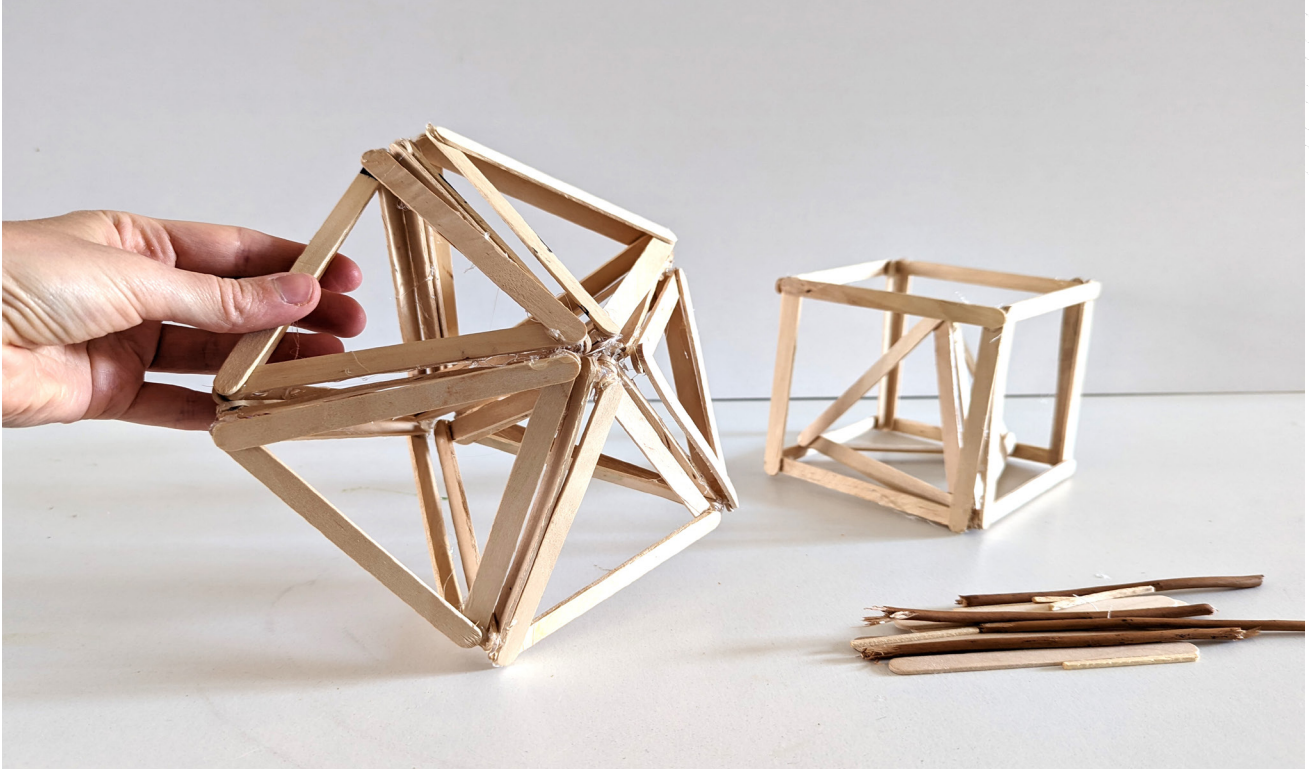


## LEARNING RESOURCE



### *Modular Frameworks*

Build inventive wooden structures and play with architectural form, geometry and modular design using lollypop sticks and glue.

This resource shows you how to create open-ended geometric forms by attaching lollypop sticks together in the form of triangles and pyramids. By attaching these modular units together, your structure can grow and transform in an organic and playful way.

Wooden pyramids provide great strength when used as a modular unit, but why not have a go at combining pyramids with cubes or other geometric forms to create variation and test out strength and stability. You might also like to gather some inspiration before you begin by looking at architectural designs. For smaller children or for children working without adult supervision, small sticks could be joined together using plasticine or masking tape instead of a glue gun.

### **What will I need for this project?**

wooden sticks (lollypop sticks, barbeque skewers or natural wooden sticks)  
glue gun (or masking tape or plasticine for younger children)

## LEARNING RESOURCE

### Step One

Lay out your sticks to form triangles (or other geometric shape of your choice). Use a small amount of glue on the corner of each stick to attach together.



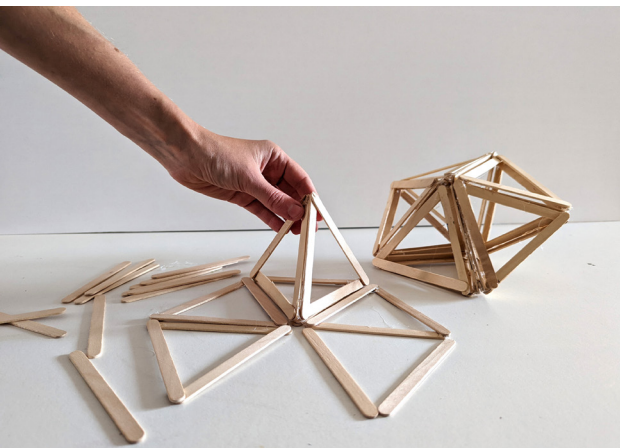
### Step Two

Join three triangular pieces together to form a three-dimensional pyramid. Join triangles together using glue at each corner.



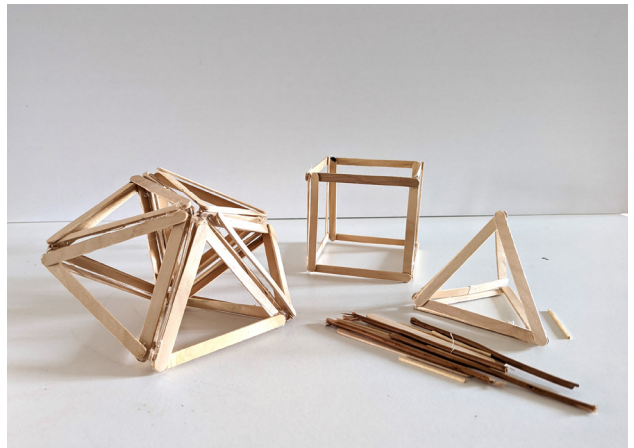
### Step Three

Develop your structure by adding further triangles and pyramids. As you are making, consider what kind of form you want to create. Keep on adding further pyramids until you are happy with the result.



### Step Four

Admire your finished structure!



### Thinking Points

Could your structure become a design for a building, bridge, tower, or a sculpture? How could it function and who would it be designed for?