

# Bridge of Popsicle Sticks



## WHAT YOU WILL NEED

- Kadink Low Temperature Glue Gun
- Kadink Craft Sticks Coloured 180 Pack

→ Part engineering lesson, part art project, this is a fun construction activity for kids. Show kids some iconic bridges – such as San Francisco’s Golden Gate or the Sydney Harbour Bridge – and then create your own in miniature using popsicle sticks. Ours is a simple beam bridge, but more complex structures can be tackled. Why not try to make an arch, truss or a cable-stayed bridge?



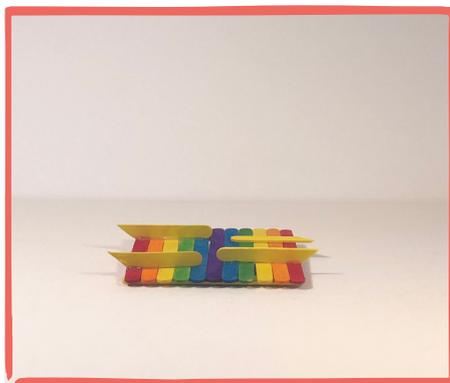
### STEP 1

Line up 11 popsicle sticks. Using a glue gun, stick two sticks down along the sides of the lined-up sticks.



### STEP 2

Repeat twice so that you have three separate panels. Cut two popsicle sticks in half with a diagonal cut.



### STEP 3

Glue these beams onto one panel. Lean the other panels along the beams’ cut edges, and attach to make bridge.



### STEP 4

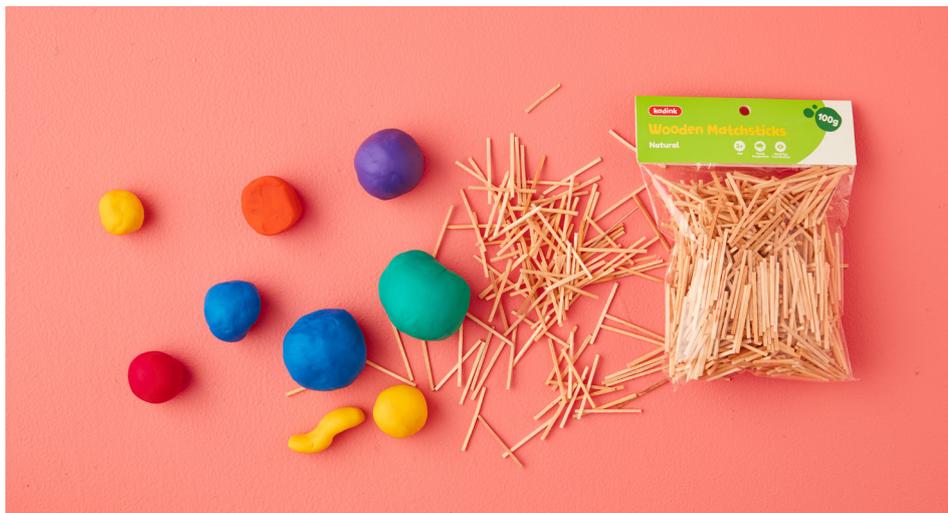
For the bridge supports, start with a triangle, then add two sticks to the triangle corners and glue together.



### STEP 5

Repeat to create a second support. Stand the supports up and glue them to the sides of the bridge.

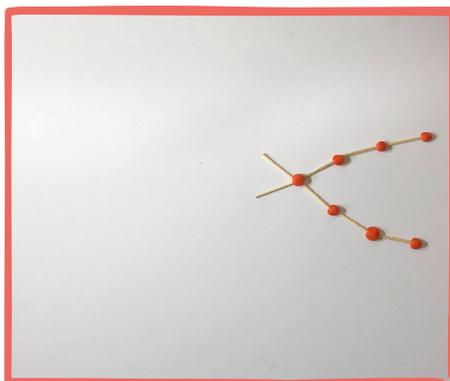
# Playdough and Matchstick DNA



## WHAT YOU WILL NEED

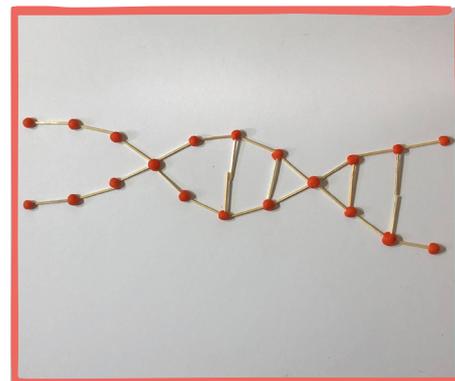
- Kadink Matchsticks Natural 1000 Pack
- Kadink Dough Bucket 900g Primary

→ This craft idea is a double whammy. Not only do kids have to figure out how to construct the wavy double helix shape, they must also think about, well, the very nature of their existence! This 2D model is an excellent entry to a biology discussion, but if the concept of DNA is too advanced, the rolling of dough and arranging of matchsticks are excellent exercises in fine motor skills for small fingers.



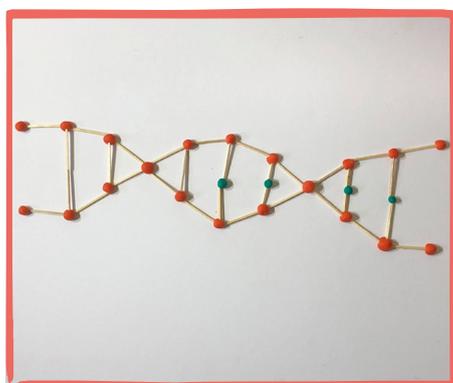
### STEP 1

Start creating two overlapping wavy lines using matchsticks and small balls of one colour of playdough.



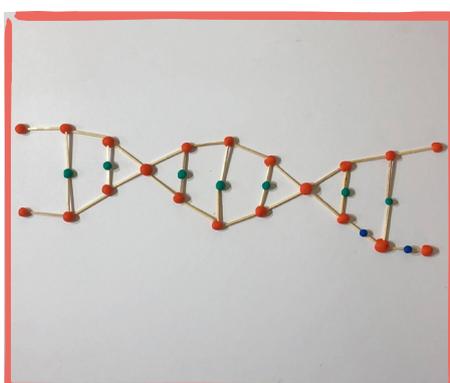
### STEP 2

Between the wavy lines, stick more matchsticks into the playdough joins to create the cross strands of the DNA.



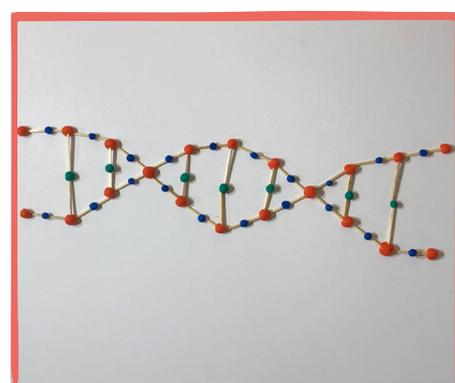
### STEP 3

Use balls of a second colour of playdough in the middle of the vertical lines of matchsticks to join together.



### STEP 4

It should take 30 matchsticks to create the double helix shape.



### STEP 5

Finally, take your third colour of dough and place one ball in between each ball of your first colour.

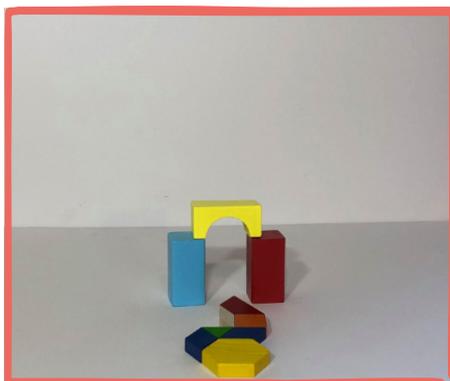
# Building Block Palace



## WHAT YOU WILL NEED

- Kadink Wooden Blocks 100 Pack
- Learning Can Be Fun Wooden Pattern Blocks 250 Pack

→ From humble beginnings – a couple of rectangular blocks – a fantastical palace grows. Simple wooden building sets can create complex structures that require kids to use spatial reasoning, engineering concepts and motor skills, as they figure out how to make a solid base for constructions to balance on and how high they can go before things become precarious.



### STEP 1

Begin with two large pieces as the sides of a castle door. Place archway piece on top to complete the door.



### STEP 2

Place smaller blocks to frame your door. Use the same-sized blocks on either side to make it even (or don't!).



### STEP 3

Build upwards by stacking blocks on top of each other. Place carefully, or you risk the castle toppling over.



### STEP 4

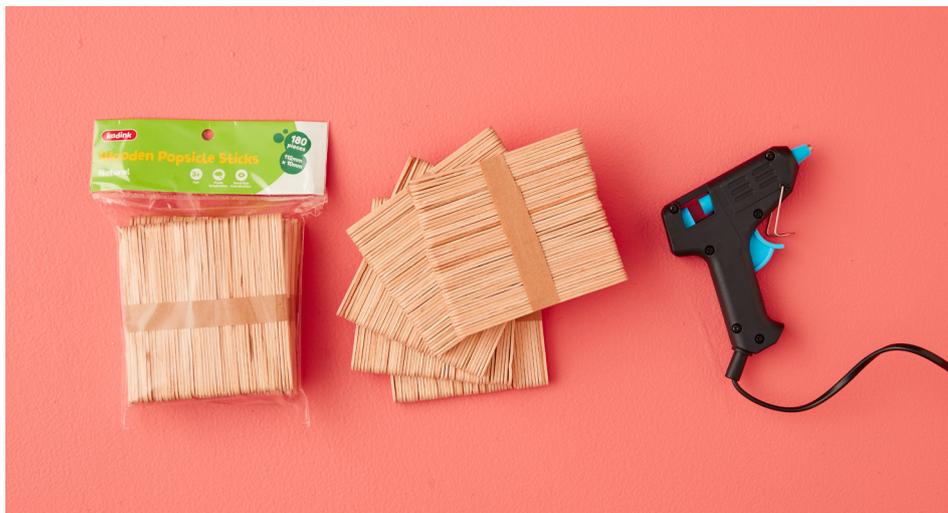
Continue stacking until you are happy with the height of each tower, then place a specialised block on top.



### STEP 5

Use any remaining large blocks to make a back wall. Line up in a row, then stack left over shapes on top.

# Popsicle Stick Eiffel Tower



## WHAT YOU WILL NEED

- Kadink Craft Sticks Natural 180 Pack
- Kadink Low Temperature Glue Gun
- Kadink Low Temperature Glue Sticks 12 Pack

→ Kids can bring Paris into the lounge room with a miniature Eiffel Tower. This project requires a bit of engineering to construct a sturdy tower, using braced squares and other construction techniques to ensure each section can support the one above. And if the popsicle sticks are glued slightly askew? Well, teach them to say, "Non, je ne regrette rien!" ("No, I do not regret anything!", if they ask).



### STEP 1

Create a base by lining up popsicle sticks. Secure them together with extra sticks glued crossways underneath.



### STEP 2

Start building up your tower, working quickly with the glue gun to attach sticks before the glue sets.



### STEP 3

Glue sticks horizontally and diagonally for both support and design. Cut or snap some sticks shorter as needed.



### STEP 4

Try and keep the four sides looking the same as you build them up and aim for them to angle to meet at the top.



### STEP 5

Once the sides have been completed, take one popsicle stick and adhere to the top to make the final point. Et voila!