

# Moving Toys

Learning Objective:

To investigate ways of strengthening structures for a moving toy.

**You will soon be designing and making your own moving toy with a cam mechanism and to do this you will need to design a sturdy structure to use as the base of your toy.**

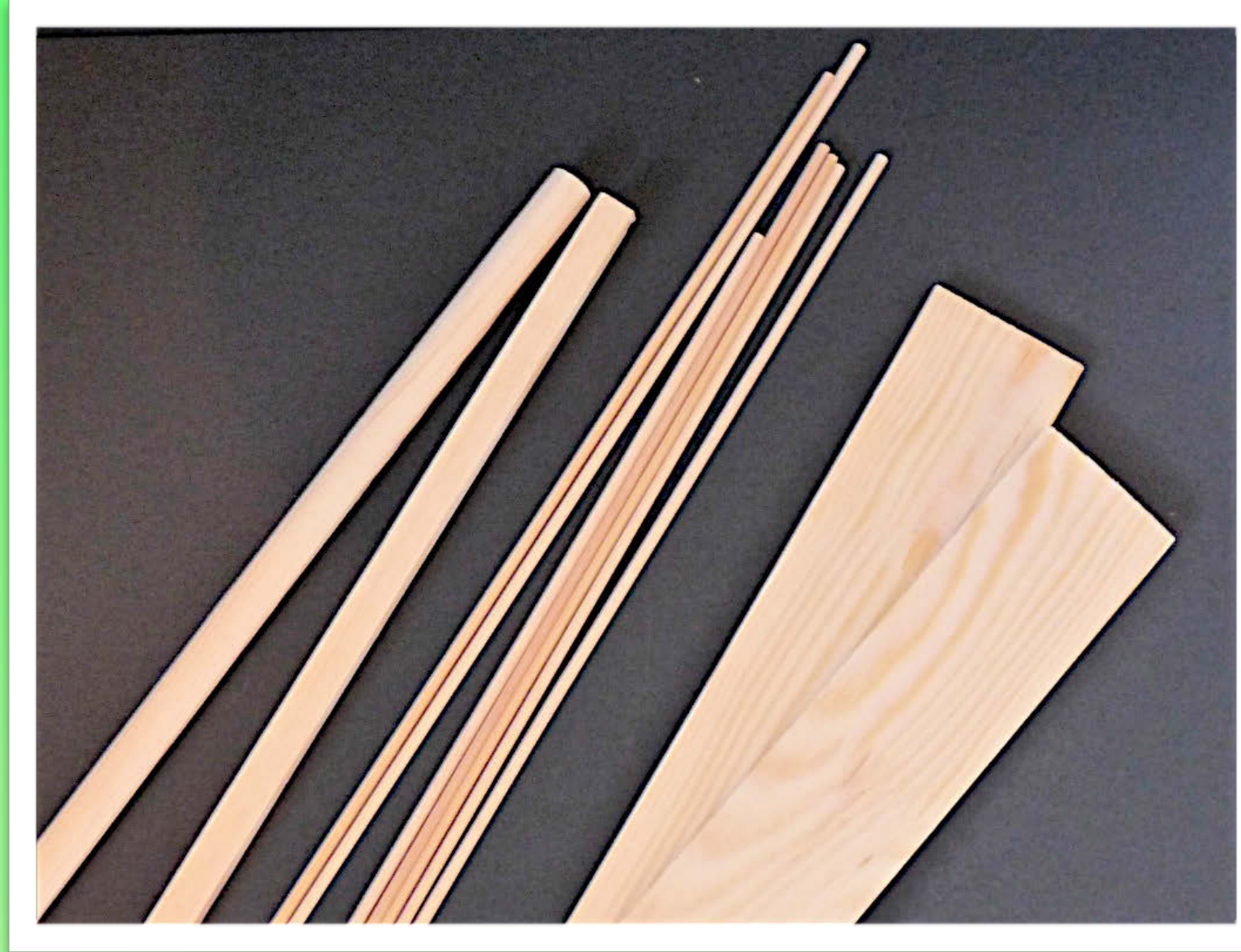


**What kind of structure do you think you could use?**

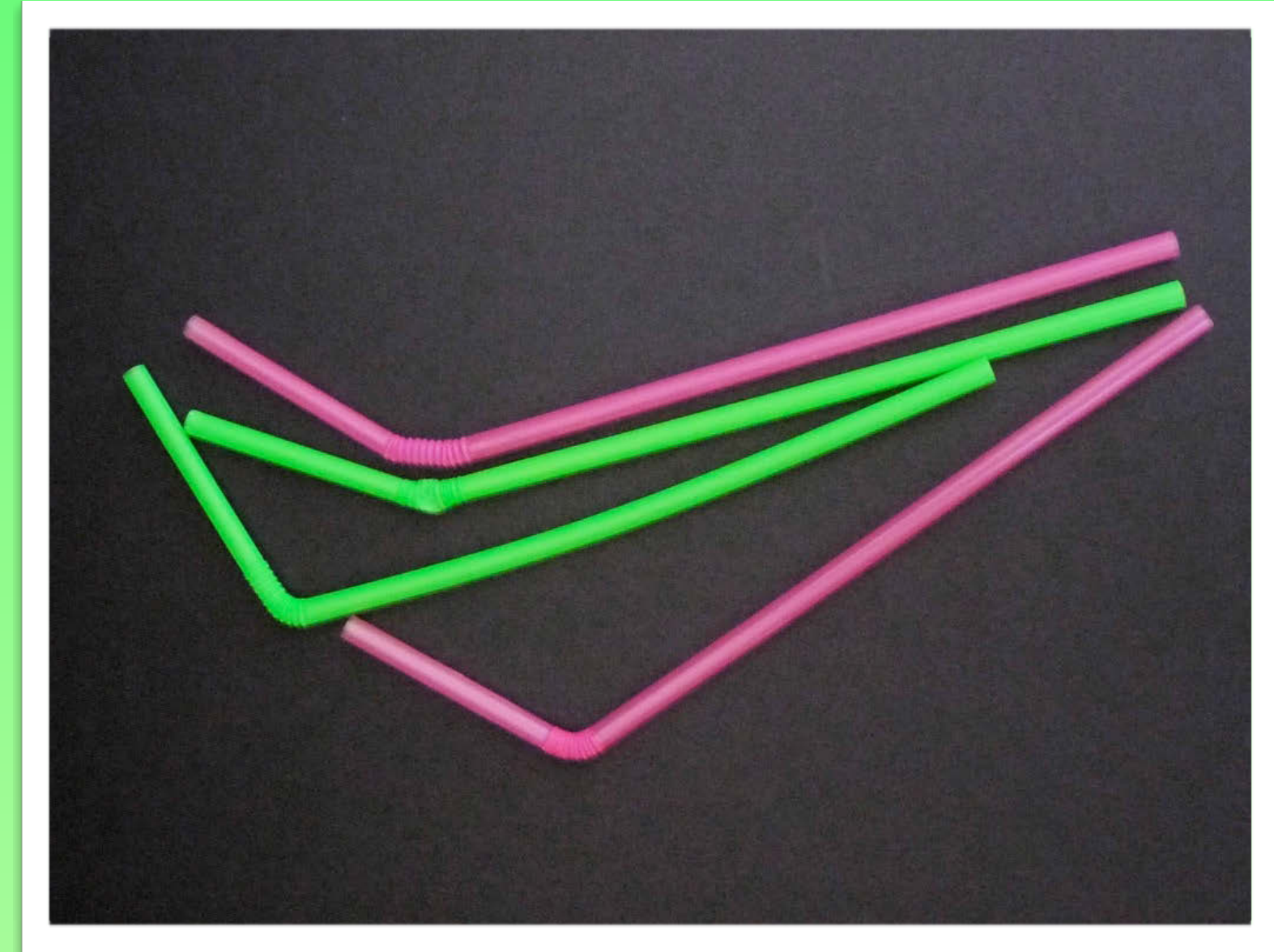
**How could you use these materials to make a sturdy structure?**



**Card**



**Wood and dowelling**



**Straws**

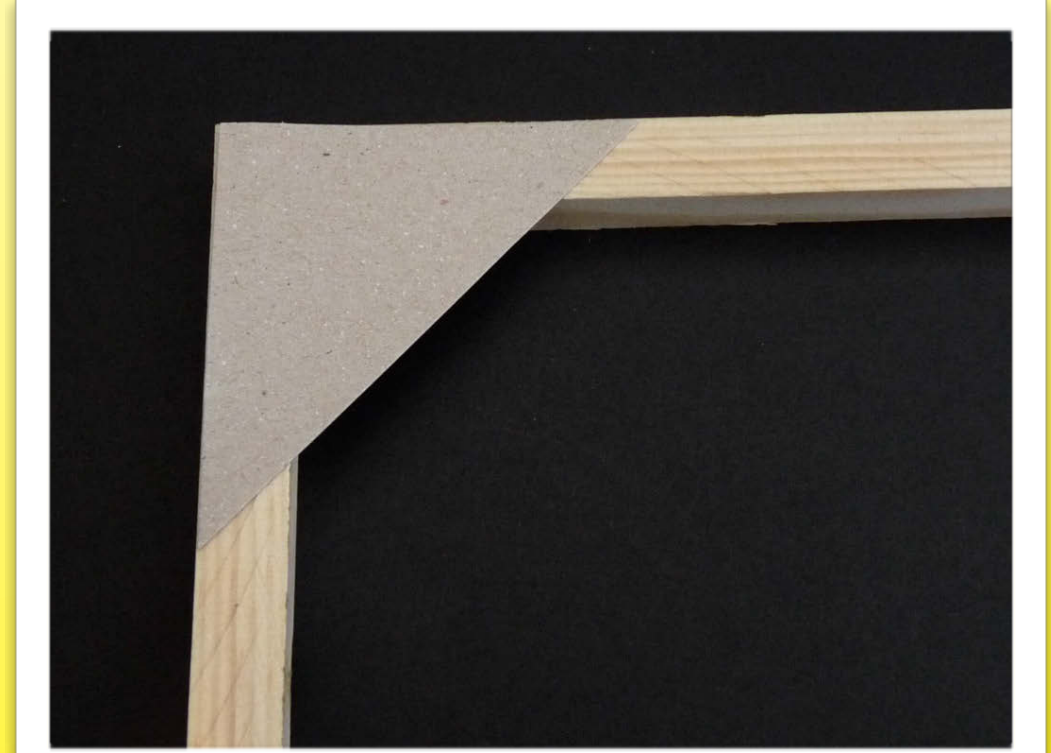
**Think, pair, share your ideas.**

**BACK**

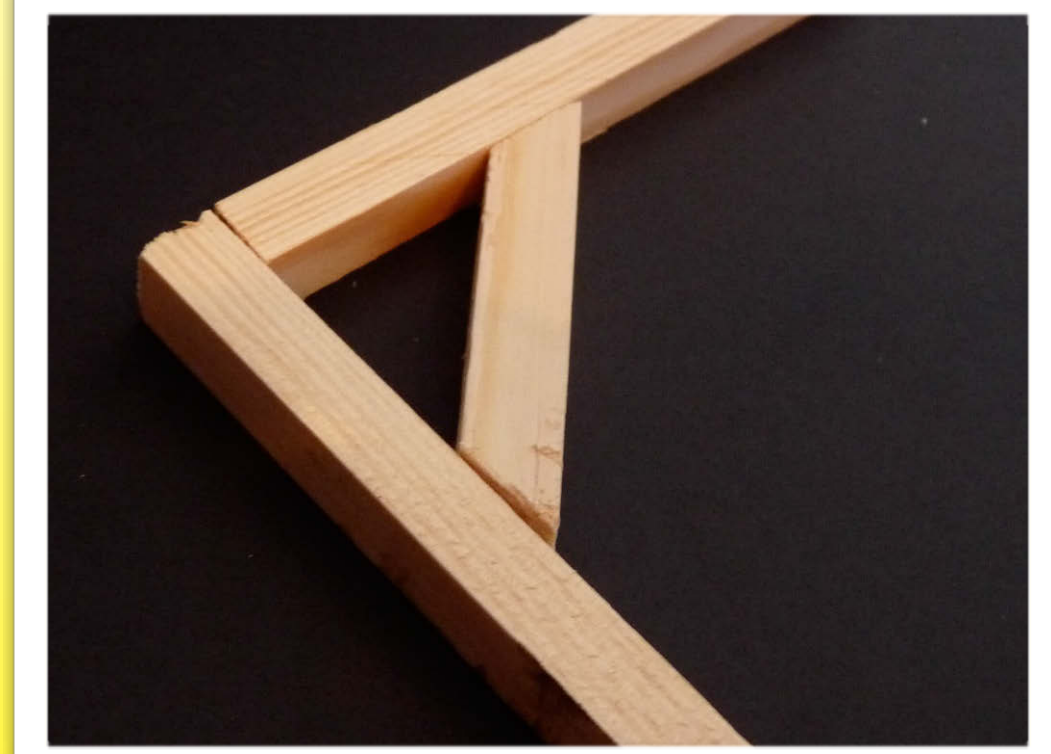
**NEXT**

# There are some techniques you can use to make your structures more sturdy:

You can use a cardboard triangle to reinforce corners.



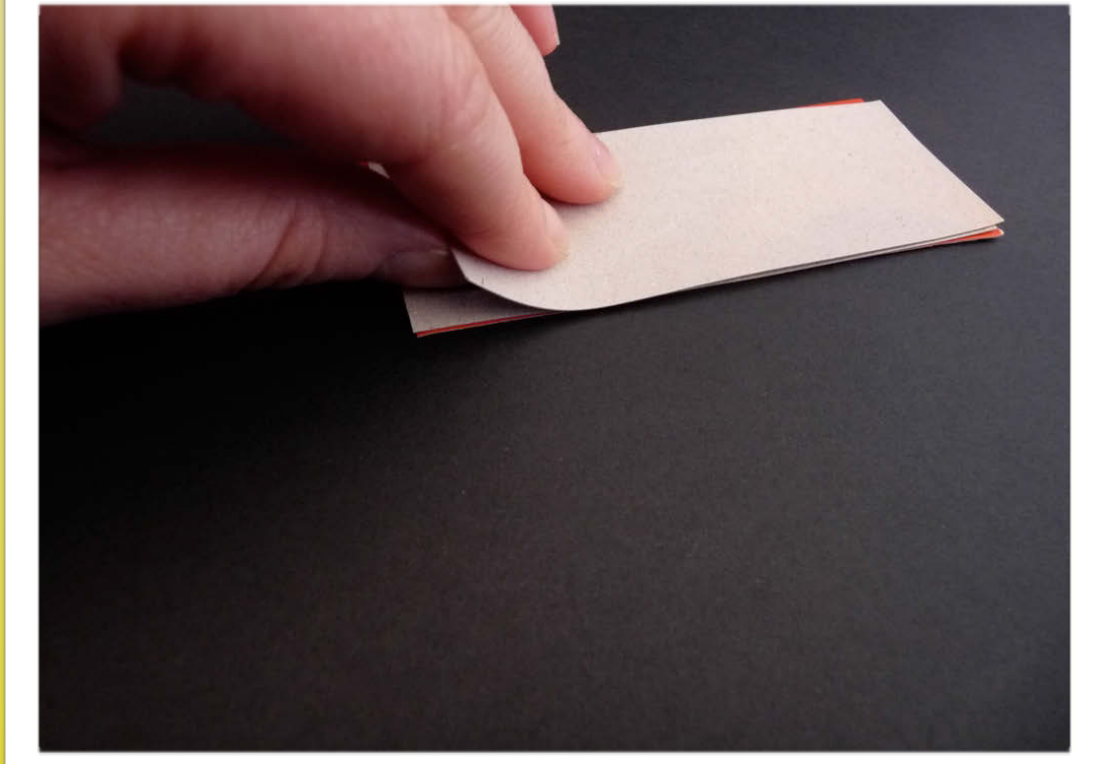
If you are making a wooden frame you can use a piece of wood to create a triangular reinforcement.



**BACK**

**NEXT**

You can double up card or cardboard to make it stronger.



You can create feet at the base of the structure so it is easier to balance.



Can you think of any other ways of making a structure more sturdy?

**BACK**