

Craft Stick Bomb

Who knew craft sticks could be so explosive!?

WHAT TO DO

Weave together as many craft sticks as you can by following the starting pattern of the template provided, but hang on to your end or it will all come flying apart!

WHAT'S HAPPENING?

Kinetic energy makes things move, which you provide by moving your arms and hands as you carefully weave together several craft sticks. As you do this you must bend or flex each new stick to place and hold it in the correct position, converting your kinetic energy into potential energy which we can say is "stored" in the sticks since they flexed but not moving. This is also what happens when you hold on to one end of a rubber band while pulling the other end. As long as you hold on we say that potential energy is stored in the rubber band. Of course you know what will happen as soon as you let go of one end- all of the potential energy will be released- i.e. converted from potential to kinetic energy- and the rubber band will move (accelerate) very quickly. The same thing happens with your craft stick "bomb". As you build each flexed stick is held in place by the next stick, with your hand holding the last one, but as soon as you let go the potential energy you stored in every stick is instantly converted into kinetic energy and the sticks blast in off all directions.

Boom!