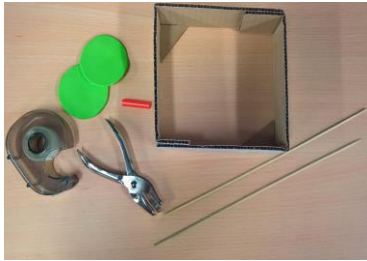


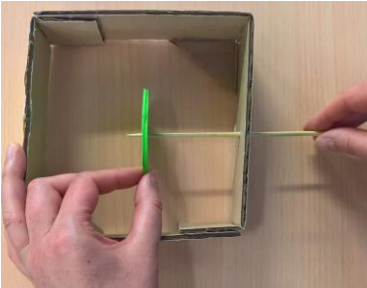


CARDBOARD AUTOMATA

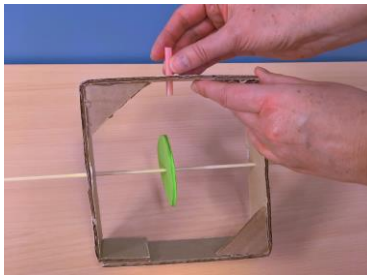
CREATE



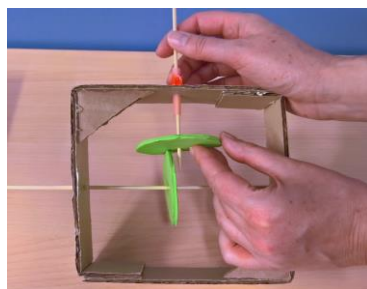
1. Collect these basic materials: Cardboard frame, 2 foam circles (about 2.5" diameter), 2 skewers, small piece of plastic straw, hole punch, and tape or glue. You'll also want some additional materials to decorate your craft.



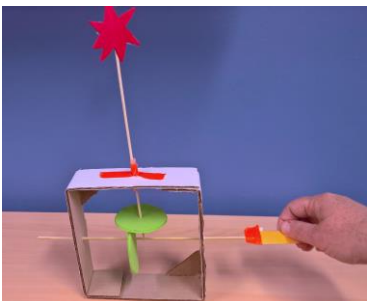
2. Poke one skewer through the side of the frame, through the middle of one foam circle, and finally out the other side of the frame.



3. Punch a hole in the top of the frame, and insert a piece of straw. Glue or tape the straw in place.



4. Thread the other skewer through the straw, and then poke it through the middle of the other foam circle. Adjust the foam circles so they are resting perpendicular on each other.



5. Add a handle to the side skewer, and a decoration to the top skewer. Turn the handle! What happens to the decoration? How could you change the motion?

REFLECT

*What is the difference between people and robots?
Could machines ever take over the world?*