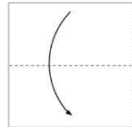


Make an Origami Piano

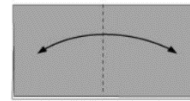
Step 1: Gather materials

-1 square piece of paper (any size)

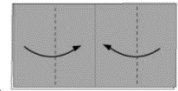
Step 2: Fold in half



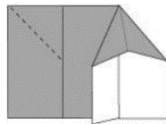
Step 3: Fold in half to make a crease and fold back



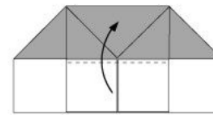
Step 4: Fold to meet the centerline and repeat for both sides.



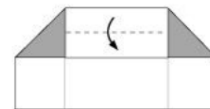
Step 5: Open pocket and put finger inside fold and flatten. Repeat with the other side.



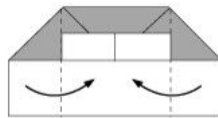
Step 6: Fold middle flap up to meet the top.



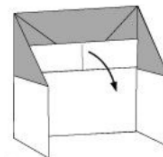
Step 7: Fold top of middle flap to the centerline.



Step 8: Fold in both wings.



Step 9: Open and lift down the middle flap.



Bonus challenges: Can you draw piano keys on your piano? Using a smaller paper can you make a smaller piano?

How does a Piano make sound?

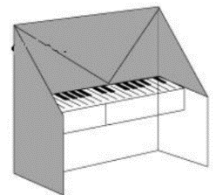
When a piano key is pressed, a felt-covered hammer inside the piano strikes one, two, or three stretched strings, causing them to vibrate. The strings vibrate at a specific speed, or frequency, that corresponds to a musical note.



Bonus Fact: A piano key's action mechanism has 100 parts every time a key is pushed down. There are nearly 10,000 moving parts in the piano's action, alone.

What is Origami?

Origami originated from China and was popularized in Japan. It is the art of paper folding. In Japanese, "ori" means folding and "gami" means paper. Originally made for the decoration of temples and shrines, today, it is considered a craft or an art form.



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