

THARP'S MAP

Inspired by scientist Marie Tharp, this relief map of the world is educational and fun!

INSTRUCTIONS

STEP 1: Print the map template.

STEP 2: Mix food coloring and shaving cream to make the colors for your map.

STEP 3: Paint the land and the water first.

STEP 4: For the mountains and valleys of the ocean floor, and the shallow and deep water, you can use varying colors of blue.

SUPPLIES

Map template
Newspaper
Shaving cream
Food coloring
Paintbrush

WHO WAS MARIE THARP?

Marie Tharp was an American geologist and cartographer who created the first scientific map of the Atlantic Ocean floor. A cartographer is a person who draws or produces maps.

Her map proved the controversial theory of plate tectonics. Plate tectonics was a theory that the earth's land masses shift and move over time. But Tharp's discovery that showed that the sea floor was spreading—was initially dismissed as "girl talk."

Marie said she never would have gotten the chance to study geology if it hadn't been for Pearl Harbor. Girls were needed to fill the jobs left open because the guys were off fighting.



