

Make an Earth Fan

Fan yourself with Earth's layers!

We spend pretty much all our time on Earth's **crust**. It's where all the land and oceans are. But below the crust, there's a lot going on.

The crust is just like the skin on an apple. It doesn't go very deep. But it's still deeper than you could ever dig. It's 18.6 miles (30 km) deep on land. At the bottom of the ocean, the crust is still about 3 miles (5 km) deep.

Below the crust is Earth's biggest layer, the **mantle**. It's a hot soup of molten rock. The mantle goes 1,801 miles (2,900 km) deep. Below the mantle is the **outer core**; it's made of liquid iron and nickel. At the center of Earth is the **inner core**. It's a solid center made of iron and nickel metals.

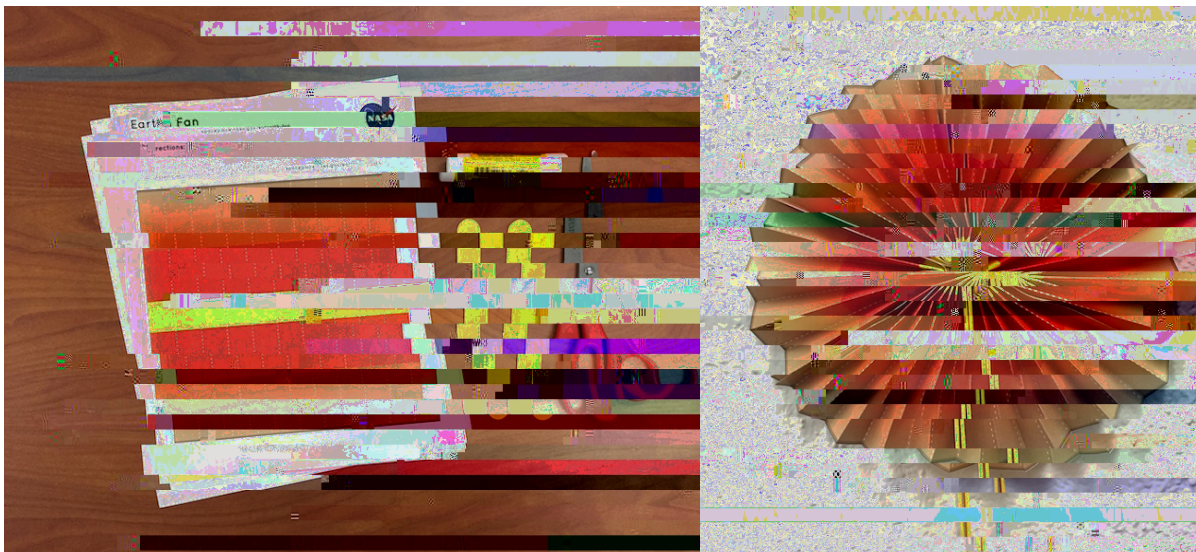
To remember that Earth is much more than just the surface we see every day, make this Earth layer fan.



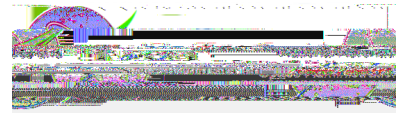
The colors in this diagram are the same colors used in the Earth Fan worksheet below. Remember what each color represents as you assemble and use your fan.

What you need:

- 3 copies of the Earth Fan Worksheet
- Scissors
- Glue stick
- 2 jumbo popsicle sticks

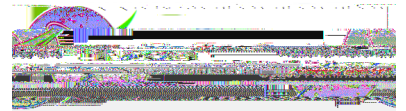


Find this activity online and learn more by visiting NASA Space Place: <http://spaceplace.nasa.gov/earth-fan>.
Find more fun activities at <http://spaceplace.nasa.gov/menu/do>.

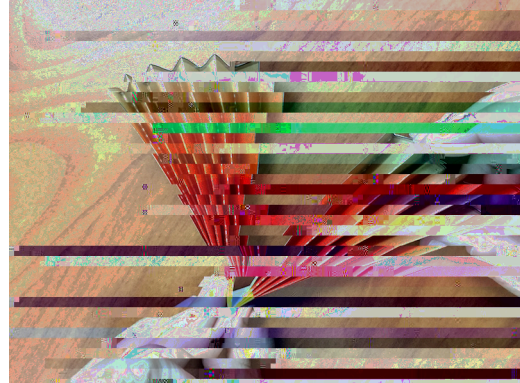


What to do:

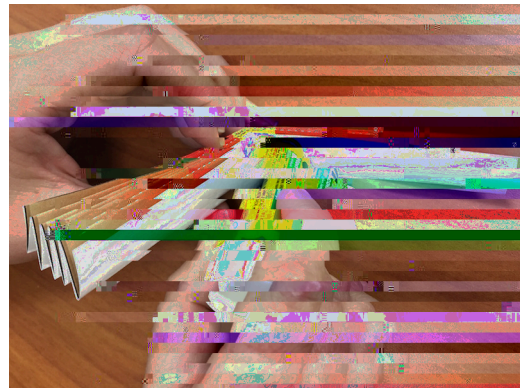
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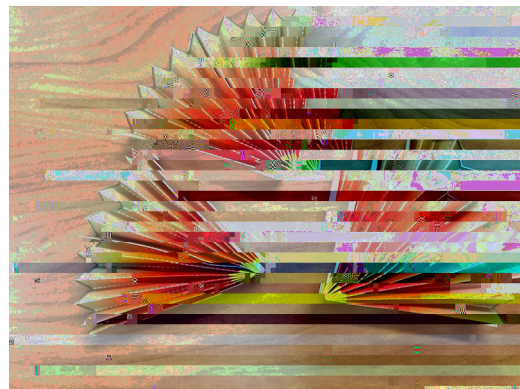
5. Fold the fan in half.



6. Glue the inside of the fold together to create a small fan section.



7. Repeat steps three through seven with the other two printouts. Now you have three small fans.



8. Glue the first section to your popsicle stick with the fold of the fan touching the top of the popsicle stick.

