



# Foucault Pendulum

## How does it work?

Up until 1851, no one could figure out a way to prove that the earth rotates, but a French physicist named Foucault figured out a way to do it using a pendulum. A pendulum is something that hangs from a fixed point which is free to swing back and forth. An electromagnet is used to keep the pendulum moving in a natural path. While it does look like the pendulum changes its path during the day, it's actually the floor beneath it that moves due to the daily rotation of the earth.

**Connect the dots to  
draw your very own  
compass rose!**

**When you're done,  
color it in so it  
looks like one in  
the museum.**

