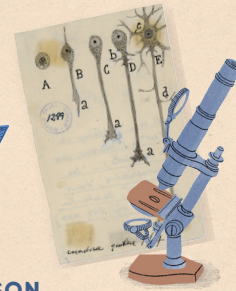




HC: 978-1-5362-2453-5
Also available as an e-book

SANTIAGO SAW THINGS DIFFERENTLY

Santiago Ramón y Cajal, Artist, Doctor,
Father of Neuroscience



CHRISTINE IVERSON

illustrated by **LUCIANO LOZANO**

This picture book biography about the childhood and discoveries of the neuroscience pioneer incorporates Santiago's actual art, including remarkable drawings of neural pathways, and shows how science and art together worked wonders to help him discover the branching connections within the nervous system.

Use *Santiago Saw Things Differently* in your classroom to discuss perseverance and teach about tools we use to see things.

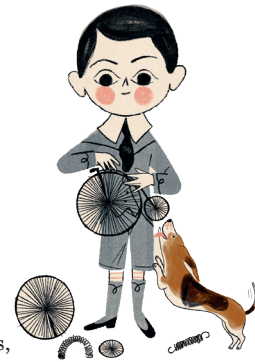
mit Kids Press • TIPS FOR TEACHERS

SANTIAGO SAW THINGS DIFFERENTLY

- Ask your students about the drawing Santiago did when he was eight. His neighbors thought his drawings were a nuisance, but he was determined to be an artist. Were his works art or graffiti? Or both?
- Have your students draw a picture of something they are looking at from a distance, then have them put that same thing under a magnifying glass or microscope and draw what they see. Ask them to note two or three things they could not notice from far away but could see up close.
- Santiago's commitment to art was in opposition to his father's

wishes. Discuss with your class how his father supported him and how he did not. Was Santiago's determination an example of stubbornness or perseverance? Have them identify episodes of persistence.

- Have your students read the back matter section on camera obscuras. Find directions online to build cardboard camera obscuras or pinhole cameras with your students, and demonstrate how the tiny amount of light coming through the shutter in the dark basement of Santiago's school allowed him to see the scene outside.



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