

Lego Mindstorm: Lesson 4





Let's recap!

What have we made the robot do?

How have we done this?

A decorative border composed of various hand-drawn blue icons representing different scientific fields. The icons include mathematical symbols like $\sqrt{2}$, H_2O , and $E=mc^2$; biological sketches like a brain, a cell, and a DNA helix; physical concepts like a lightbulb, a globe, a rocket, and a magnet; and other scientific imagery like a microscope, a test tube, and a calculator. These icons are scattered around the perimeter of the slide, framing the central text.

Let's recap!

What have we made the robot do?

How have we done this?



Let's recap!

What have we made the robot do?

How have we done this?

Moving forward and backward using... commands

Turning left and right using... loops

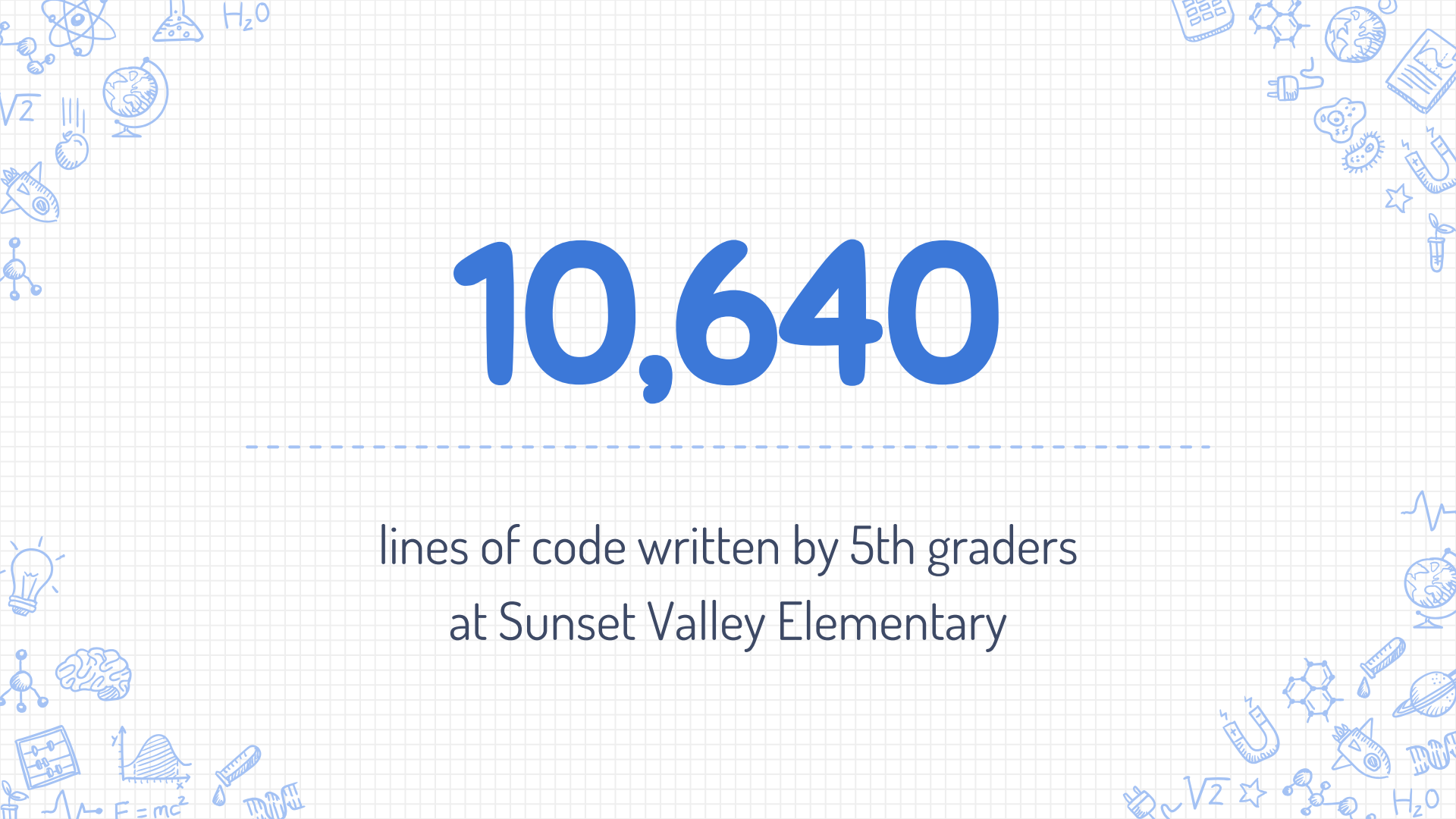
Using color sensors
using...
if statements

Did you know... CS Changes the World!

- × **Changing lives** by simplifying governmental processes

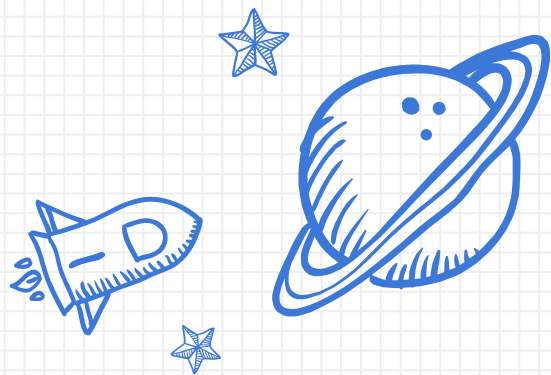
Led by Megan Smith, CTO of the United States



A decorative border of various science and math icons surrounds the central text. In the top left, there are icons for an atom, a beaker with H₂O, a globe, a rocket, and a lightbulb. In the top right, there is a calculator, a cell, a globe, a book, a star, and a test tube. In the bottom left, there is a brain, a graph, a test tube, and the equation E=mc². In the bottom right, there is a magnet, a cell, a globe, a rocket, and the equation H₂O.

10,640

lines of code written by 5th graders
at Sunset Valley Elementary



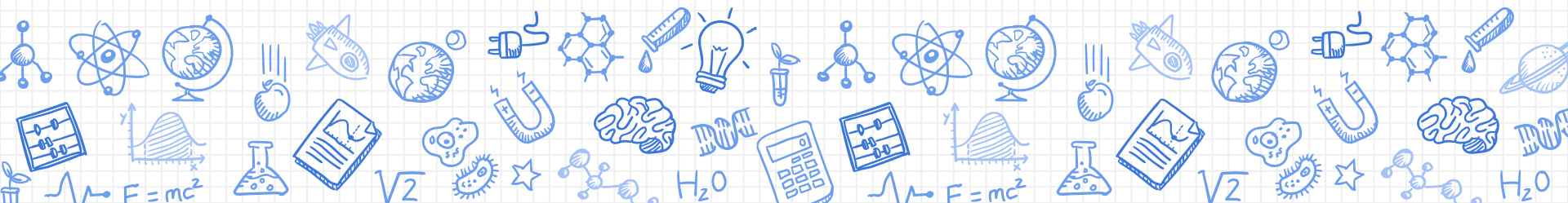
Functions

Blocks of code that,
when called, perform tasks



Imagine you
have a dog...

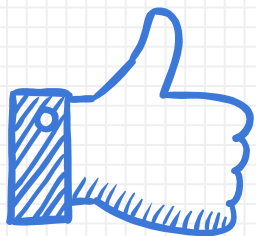
and you're
teaching it tricks



Look at what a snippet of code looks like

Learn about what a function is and how computer scientists use them

Learn about what we
will be doing next
semester



Let's do it!

Any questions?

Rules:

- ✗ Stuck? Ask a mentor!
- ✗ Work together!
- ✗ Take care of the robots.

Current Task

Write a function that will make the robot **move** and name the function appropriately

