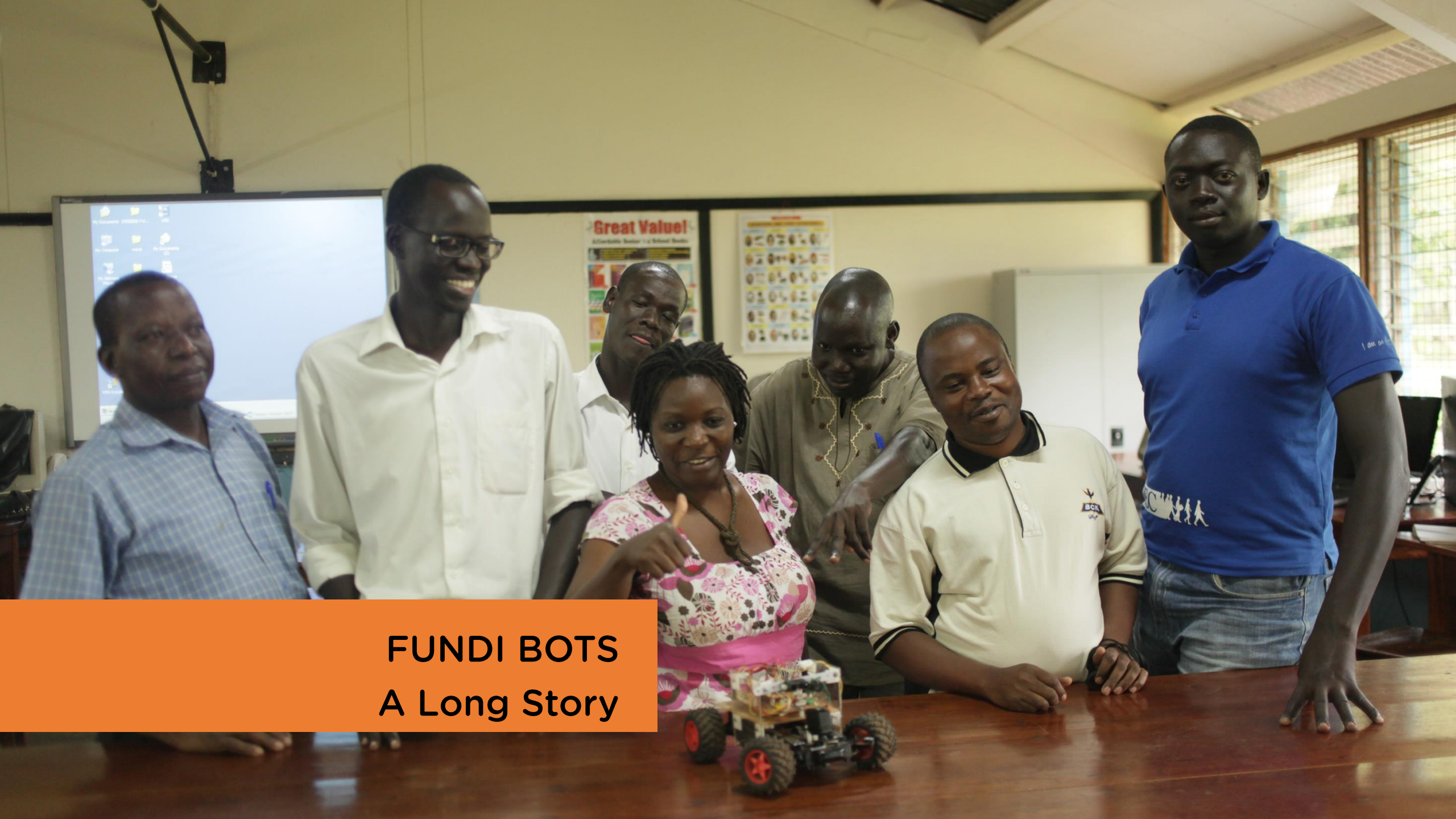


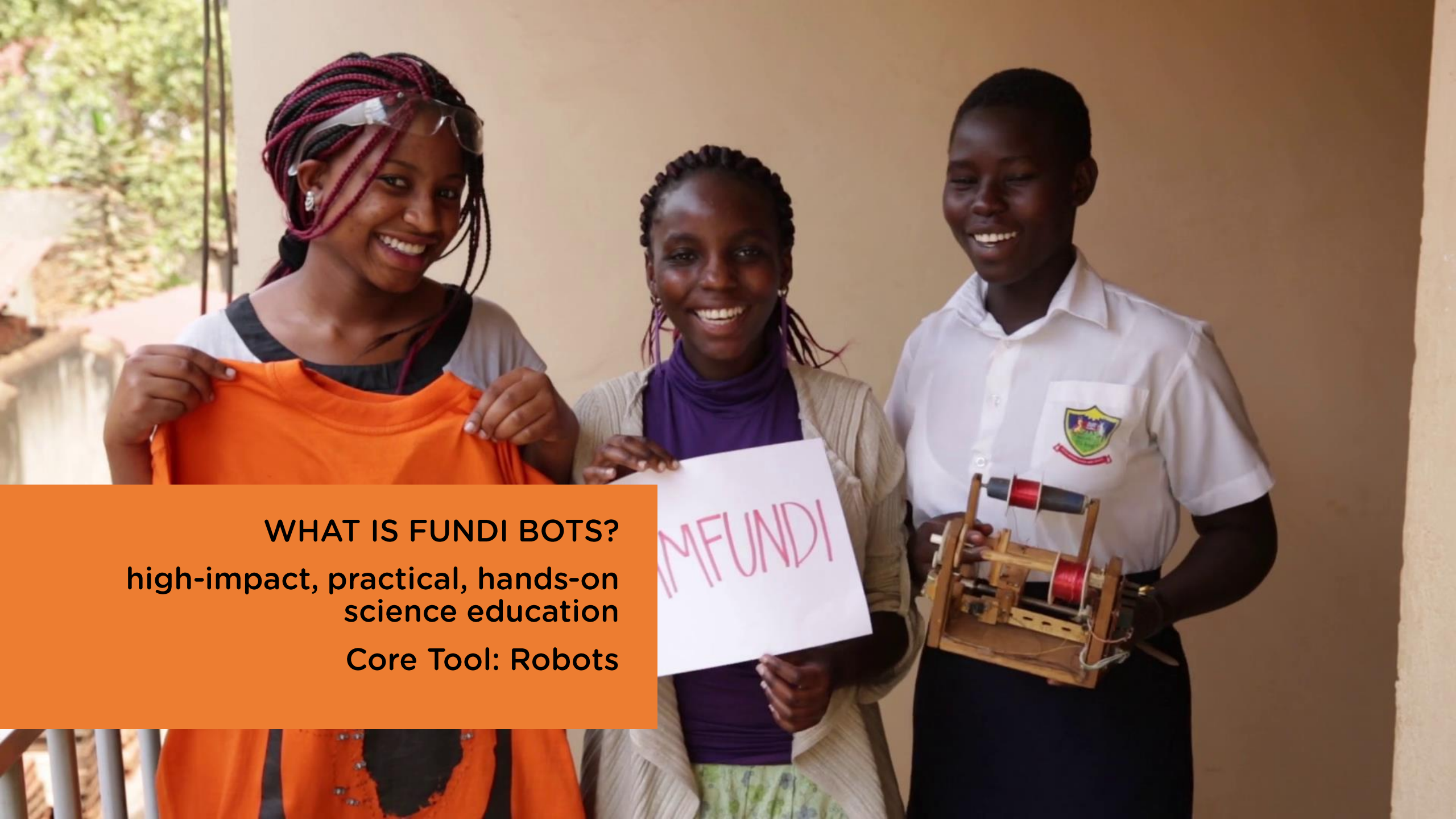


# Robotics Education for Innovation in Health



# FUNDI BOTS A Long Story





## WHAT IS FUNDI BOTS?

high-impact, practical, hands-on  
science education

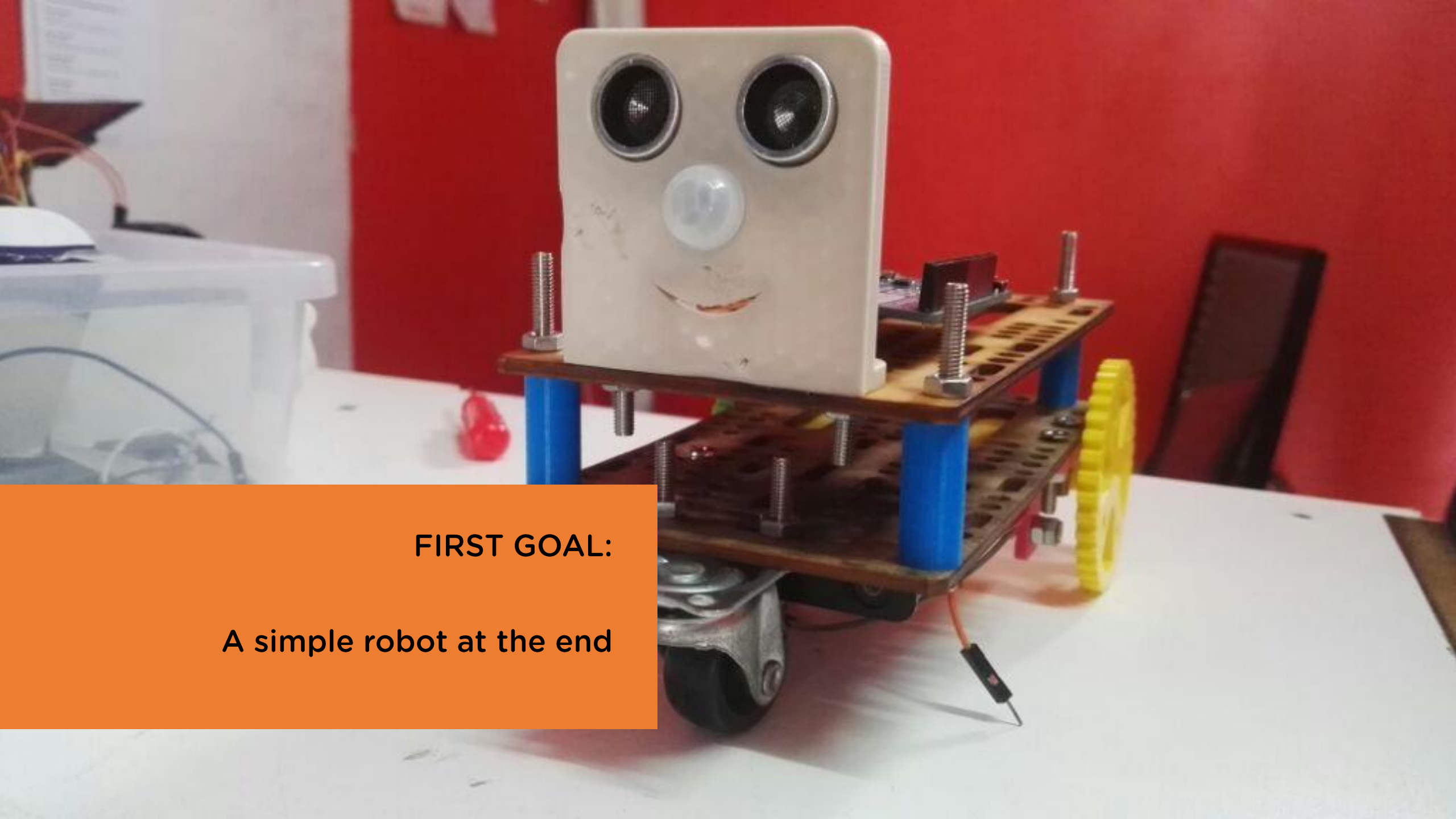
Core Tool: Robots



A young woman with dark braids, wearing a black sleeveless top with white polka dots, is seated at a wooden desk, focused on a laptop. A man with short dark hair, wearing a dark blue polo shirt with light blue and yellow horizontal stripes, leans over her shoulder from the right. He is smiling and pointing at the laptop screen with his right hand. In the background, another person with blonde hair is partially visible, working at a similar desk. The setting appears to be a modern, brightly lit classroom or workshop with light-colored wooden walls.

## OUR LEARNING MODEL

A Hybrid of Guided & Project-Based



**FIRST GOAL:**

**A simple robot at the end**





## JOURNEY TO THE ROBOT

Technical Skills – Programming,  
Electronics, Mechanics, Computing, etc



A photograph of two young students in a classroom setting. The student on the left, wearing a blue polo shirt, is looking towards the camera with a slight smile and a thumbs-up gesture. The student on the right, wearing a yellow-green polo shirt, is focused on a small electronic component, possibly a resistor, held in their hands. They are working on a breadboard with various wires and components. In the background, another student in a light-colored shirt and dark trousers is visible, along with a bulletin board featuring a diagram of a fertilized egg. The scene is brightly lit, likely by natural light from a window.

## JOURNEY TO THE ROBOT

**Soft Skills – Teamwork, Project  
Management, Leadership, etc.**



Two young boys are smiling and holding a large rectangular sign. The sign has a yellow border decorated with various robot and tech icons like gears, a robot head, and a circuit board. The boy on the left is wearing a red t-shirt and a black wristwatch. The boy on the right is wearing a striped shirt and glasses. The sign they are holding has the text 'MAKE ROBOTS' and '#I Am Fundi' written in blue marker. At the bottom left of the sign, the words 'fundi bots' are printed in yellow.

## ROBOT COMPLETED

Paradigm Shift, Mindset Change,  
More Possibilities, More Curiosity

fundi bots

MAKE ROBOTS  
#I Am Fundi





**NEXT: PROJECT-BASED LEARNING**  
Focus on areas of interest / Problem  
Open-ended but instructors available

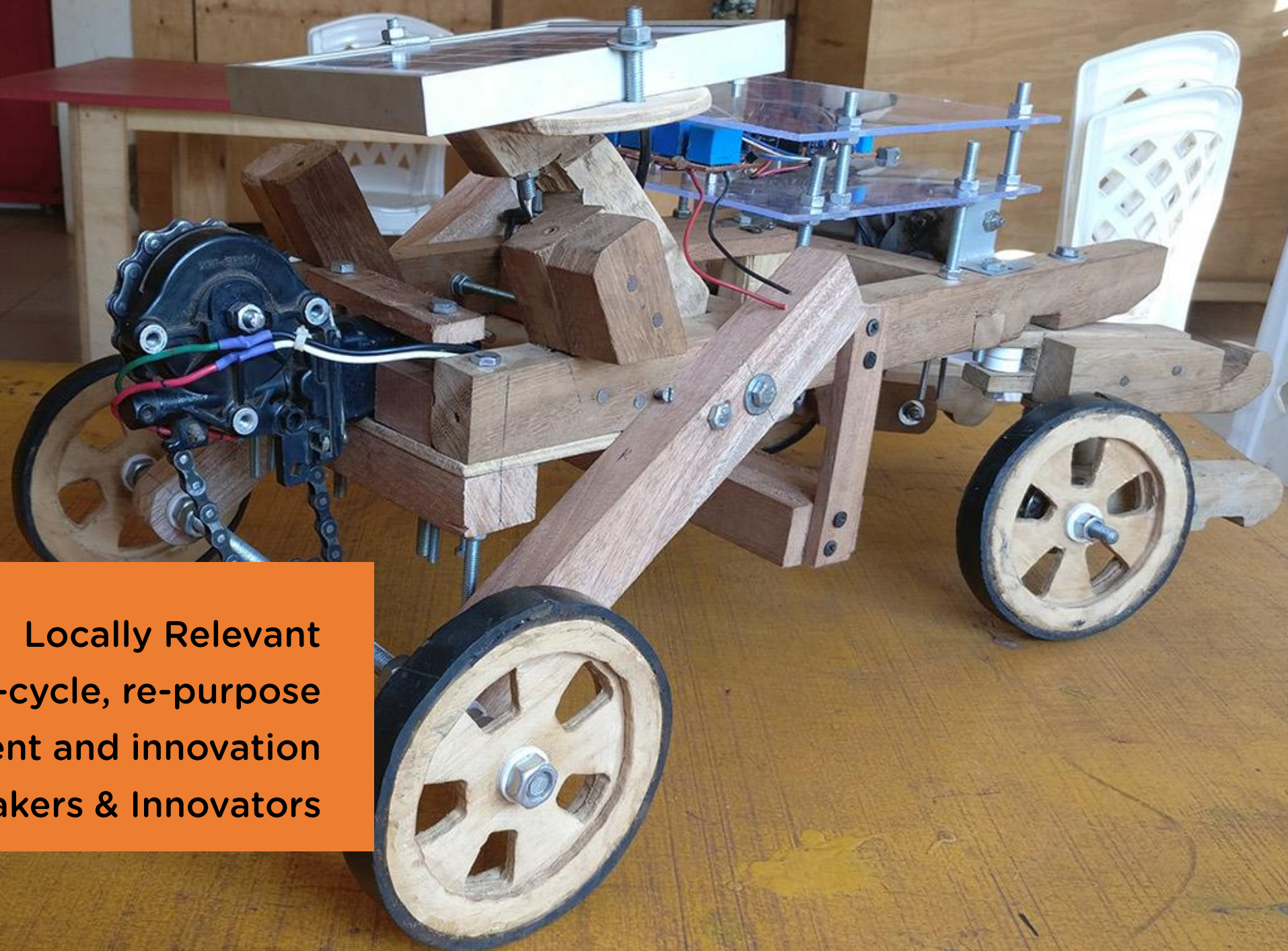




### OVERALL IMPACT - 3Cs

- Improved Curriculum Performance
- Strong Career Training & Prospects
  - Change-makers & Innovators





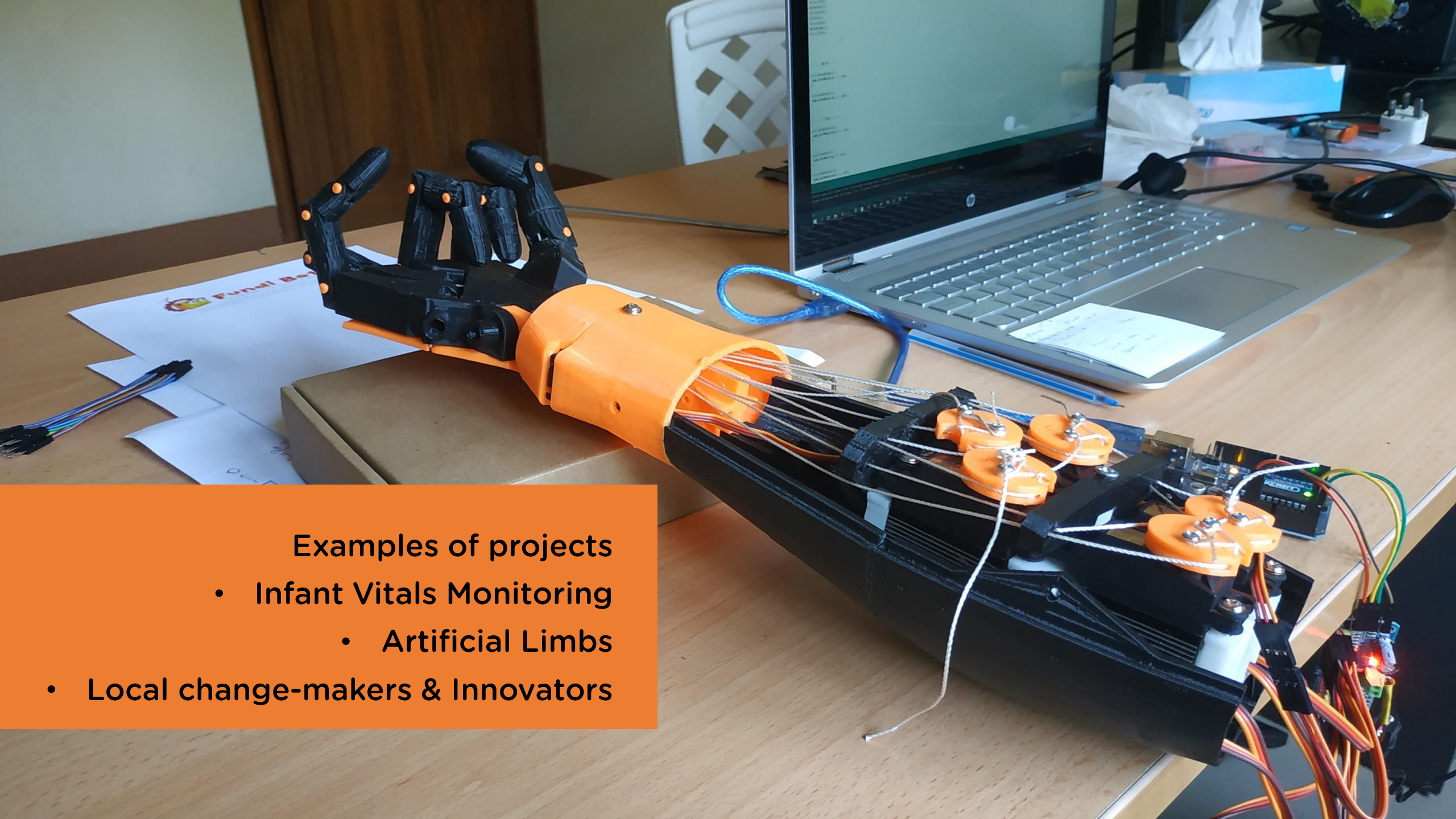
**Locally Relevant**

**Re-use, re-cycle, re-purpose**

**Local context, content and innovation**

**Local change-makers & Innovators**





## Examples of projects

- Infant Vitals Monitoring
  - Artificial Limbs
- Local change-makers & Innovators





**Examples of Professional Applications**

- Precision & Minimally invasive Surgery
- Remote Doctors

## Examples of Professional Applications

- Exo Skeletons



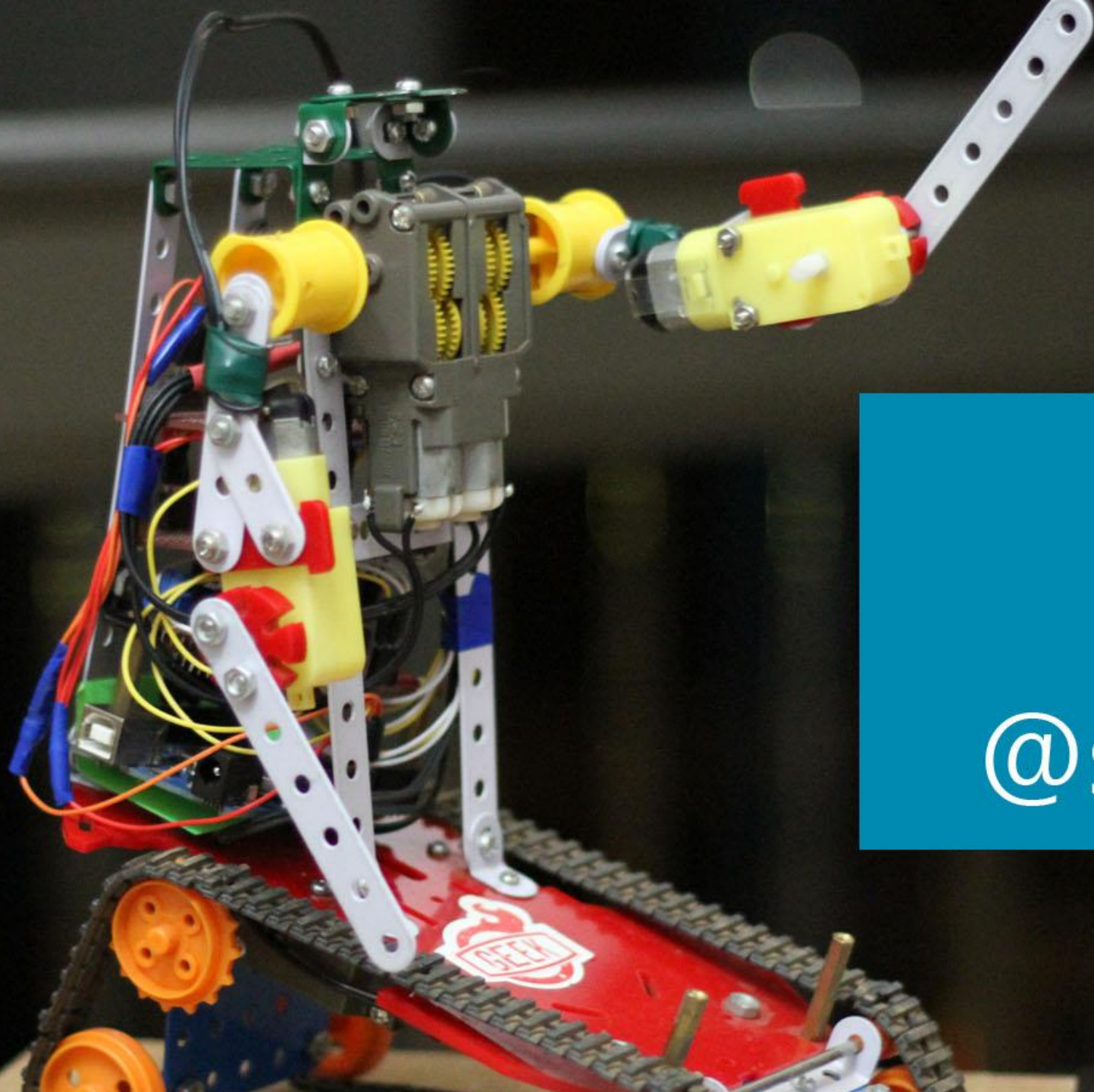




**Examples of Professional Applications**

- Artificial Limbs
- Artificial Organs / Life Support Systems





**Thank You!**  
@fundibots  
@solomonking