

Imagining, Playing, and Coding with KIBO Using Robotics to Foster Computational Thinking in Young Children

The KIBO robotics kit offers a playful and tangible way for young children to learn computational thinking skills by building and programming a robot. KIBO is specifically designed for children ages 4-7 years old and was developed by the DevTech research group at Tufts University through nearly a decade of research funded by the National Science Foundation. KIBO allows young children to become engineers by constructing robots using motors, sensors, and craft materials. Children also become programmers by exploring sequences, loops, and variables.

Author: Ms AMANDA , A. SULLIVAN (DevTech Research Group)

Presenter: Ms AMANDA , A. SULLIVAN (DevTech Research Group)