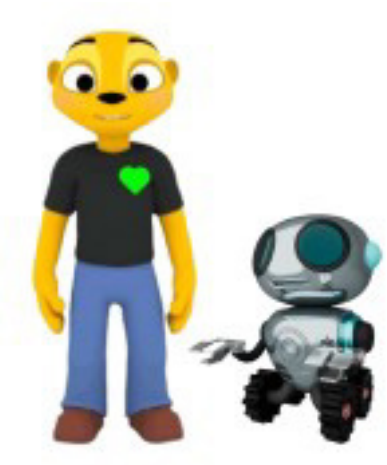
PROJECT RAISE

Robotics & Artificial Intelligence to Improve Social Skills for Elementary Students



PROJECT OVERVIEW

Project RAISE is a collaborative project between UCP of Central Florida and the University of Central Florida that aims to improve the social skills of students with disabilities by creating a teaching toolkit featuring the Ray-Z virtual robot and an AI-driven socially assistive robot, ZB.

Through the experience students will have opportunities to learn basic coding while also practicing real-world skills like problem solving, collaboration, cooperation, and strategic thinking in a safe, distraction-free environment. The team at the University of Central Florida designed, created, and patented the AI-driven socially assistive robot ZB.

UCP of Central Florida

UCF UNIVERSITY OF CENTRAL FLORIDA

DISCLAIMER INFORMATION

This document was produced under U.S. Department of Education, Office of Special Education Programs Grant No. H327S200009. The views expressed herein do not necessarily represent the positions or polices of the Department of Education.

FOR MORE INFORMATION CONTACT

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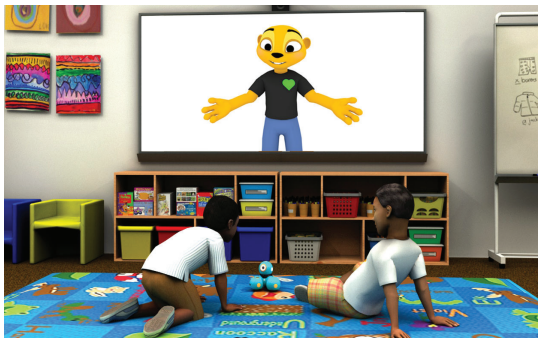
PROJECT IMPLEMENTATION

The Project RAISE toolkit will focus on supporting students with disabilities in learning communication skills, coding, STEM content, and social relationship skills.

Phase 1: Students learn coding skills and receive communication coaching while building a relationship with the socially assistive robot (SAR) ZB.

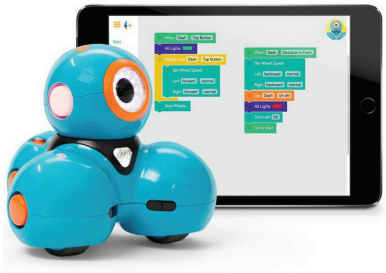
Phase 2: Students share their new coding skills with a peer while ZB supports them.

Phase 3: ZB provides personalized support in the classroom to allow students maximum support in the general education setting.



PROJECT OUTCOME FOR STUDENTS

- Improved social skills and peer social interactions
- Acquisition of knowledge and skills to manage emotions, achieve goals, and establish and maintain relationships
- Understanding of basic coding
- Increased learning in STEM



UCP of Central Florida

UCP OF CENTRAL FLORIDA'S MISSION

To empower children with and without disabilities to achieve their potential by providing individualized support, education and therapy services in an inclusive environment.

visit us at
ucpcfl.org/projectraise
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