



STEMworks – STEM Advisory Council’s Approved STEM Program
December 2018

JUNIOR BOTBALL CHALLENGE

PROGRAM OVERVIEW

The JBC program is a sustainable Computer Science (CS) and engineering, design-focused STEM program. This program is designed to support and empower Pre K- 12 grade educators with zero experience teaching computer science or engineering in teaching their classroom students integrated computer science, coupled with engineering design concepts.

TARGET GRADES

Pre-K through 12th grade

A UNIQUE OR SPECIAL FOCUS OF THE PROGRAM

The strategy revolves around three main components: educator friendly reusable autonomous robotics equipment, a standards-aligned on-line curriculum and professional development.

THE PROGRAM’S IMPACT ON STUDENTS

2017-18 implementations include over 1,400 schools in 29 states (58% in-class), impacting ~28,000 students (56% female) and ~3,500 educators.

SPECIFIC SKILLS STUDENTS WILL LEARN

External and internal evaluation data indicate significant increases in student STEM interest, identity and efficacy and improvement in attention to detail, perseverance on task and 21st century skills including; problem solving, critical thinking and communication with both peers and adults.

RESOURCES PROVIDED TO EDUCATORS

80% of participating educators indicate they now routinely incorporate computational thinking and engineering into their daily lessons with 98% of them planning on continuing to participate in future years.

WEBSITE

www.kipr.org

CONTACT INFORMATION

Name: Steve Goodgame, Executive Director

E-mail: sgoodgame@kipr.org

Phone: (o) 405-579-4609; (c) 405-830-6685