Junior Botball Challenge (JBC) 20-21

Course Syllabus – Fall 2021

Dr. Kaitlin Maguire, STEM Action Center

Course Number: KE219TE4626

Course Hours: One (1)

Link to Registration: https://aceware.boisestate.edu/wconnect/CourseStatus.awp?&course=KE219TE4626

Registration Deadline: March 1, 2021

Location and Course Dates:
Virtual PD training on December 4th and 5th 2020, 8:30am-12:30pm (4 hours each)

Credit Cost: $60

Instructor Email: Kaitlin Maguire at Kaitlin.Maguire@stem.idaho.gov, 208-332-1726

COURSE DESCRIPTION: Developing an Idaho Community of teachers leveraging existing participants and newly recruited educators to collaborate and develop a deeper understanding of computer science and a wider array of skills and strategies to engage students in the classroom. This virtual training is for Idaho educators who want to implement the JBC coding program into their classrooms this fall or spring via online or in-person. Professional development will include training on KIPR's virtual Integrated Development Environment. Educators will learn 'virtual Wombat' a real-time coding software that allows users to verify their code and find any errors, so educators will be able to not only check student's work but support them instantly. Professional development will also include training on KIPR's virtual simulator software, in which users can test the impact of their code on a virtual simulator! Educators will receive training, student software licenses for both the virtual Wombat and the simulator, program, and curriculum.

COURSE OBJECTIVES:
To develop a deeper understanding on KIPR's virtual Integrated Development Environment and how to implement it
Learn and implement KIPR's 'virtual Wombat' a real-time coding software that allows users to verify their code and find any errors
Learn and implement KIPR's virtual simulator software, in which users can test the impact of their code on a virtual simulator
Build a community of practice among these educators

COURSE ASSIGNMENT:
Attend both virtual PD training on December 4th and 5th 2020, 8:30am-12:30pm (8 hours total)
Homework: Parking in the garage challenge and Figure 8 challenge (1 hours)
Homework: Hokey Pokey and Dance Party challenge (2 hours)
Homework: Create and submit 5 lesson plans with activities (2.5 hours)
Submit a final report via STEM Action Center's Community Grant Portal (1.5 hour)

RESOURCES:
KIPR

COURSE ASSIGNMENT DUE DATE: November 15, 2021 by midnight MST.

TRANSCRIPT DATE: Fall 2021