

# STEM TEACH SUMMER WORKSHOP

## BASIC CRAFTING, CODING & CIRCUITRY

This workshop will focus on the utilization of a makerspace to promote problem-solving, self-directed learning and collaboration. During the workshop, teachers will engage in designing and making interactive objects that include conductive sewing, electric circuits, physical computing, coding, and other STEM activities that can be applied directly to classroom content. Activities are teacher-ready, designed for elementary students, and can be implemented instantly within a makerspace or classroom. Learn how to build interactive objects, sew wearable circuits, code robots, & design digital games and stories. All activities are connected to the Indiana Content Standards.



**Workshop presenters:** John Somers (UIndy), Mary Rinehart & Kim Brand (1st Maker Space)

**Dates:** June 21 - June 25, 2021

**Time:** 9 am - 4 pm

**Where:** Online via ZOOM; Instructors will be interacting with participants

### Why?

- Cultivate a maker mindset, connect with colleagues & create through play
- Engage students in purposeful making, tinkering, and inventing
- Build future-ready students

### How?

- Most class materials will be shipped to your door.
- Lesson plans & innovative strategies will be shared with you.
- Open office hours will support your weekly implementation of activities.

### How to Become Eligible

Teachers must apply and be accepted to the STEM Teach program before they can register for this workshop. Apply at <https://stemteachindiana.org/apply/> by March 19, 2021 to be eligible to register. After accepted to the STEM Teach program, teachers can register for this workshop through the STEM Teach Online Teacher Portal. Teachers receive instructions prior to registration dates.

### Questions?

Email Christel Cater at [caterc@uindy.edu](mailto:caterc@uindy.edu) if you have application or registration questions.