

## REGISTRATION OPTIONS

1. Online via credit card at:  
[https://cardinalritterhighschool.formstack.com/forms/stem\\_summer\\_camp\\_2018](https://cardinalritterhighschool.formstack.com/forms/stem_summer_camp_2018)

**-OR-**

2. Fill in the blanks below and mail this form with a check to:

**Cardinal Ritter High School**  
**3360 W. 30<sup>th</sup> Street**  
**Indianapolis, IN 46222**

Checks can be made out to CRHS.

**Student First and Last Name:**

**Address:**

**Grade:**

**Who to Contact in Case of  
Emergency:**

**Emergency Contact Phone #:**

**T-shirt Size:**

## WHAT ELSE SHOULD I KNOW?

STEM Summer Camp is for students in grades 6-8 only, and the registration deadline is **Friday, May 25, 2018**. Please reach out to Dr. Leigh-Ann Cruz at [LCruz@cardinalritter.org](mailto:LCruz@cardinalritter.org) with any questions.



Cardinal Ritter High School  
3360 W. 30<sup>th</sup> Street  
Indianapolis, IN 46222

Phone (317) 924-4333  
[www.cardinalritter.org](http://www.cardinalritter.org)

# STEM Summer Camp 2018



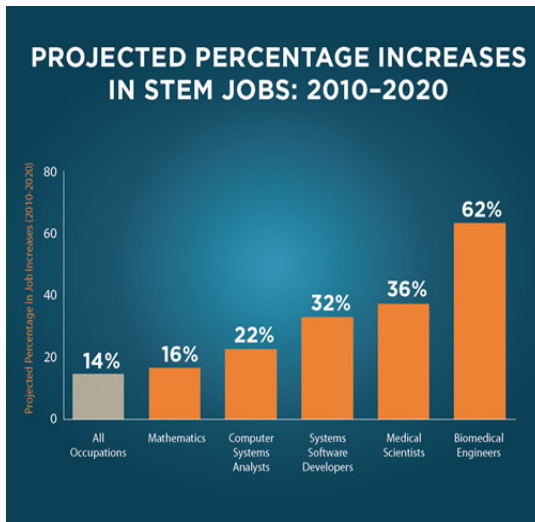
June 11-15, 2018  
9:00 AM - 2:00 PM

## WHAT IS STEM?

STEM is a curriculum based on the idea of educating students in four specific disciplines — science, technology, engineering and mathematics — in an interdisciplinary and applied approach.

## WHAT IS THE PURPOSE OF THIS EDUCATION?

All young people should be prepared to think deeply and to think well so that they have the chance to become the innovators, educators, researchers, and leaders of our world; thus, we hope to give students the chance to access STEM learning opportunities and experience, piquing their interest in these disciplines and prepare them for their future.



[image credit: <https://www.ed.gov/stem>]

## STEM CAMP GOALS

- Focus on introductory-level STEM subjects, as well as awareness of STEM fields and occupations
- Encourage and foster student interest into wanting to pursue these STEM courses, not because they have to
- Create opportunities for students to work in teams and experience real-life situations common to the STEM workforce

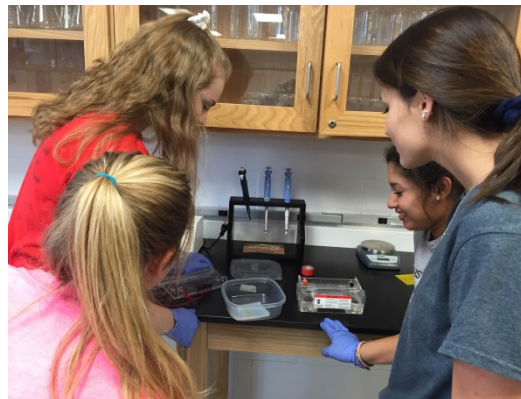
## STUDENT PARTICIPATION

There are FOUR modules for the camp week designed to build introductory knowledge to prepare for Middle School and High School STEM subjects.

Registration for the summer program will start on a first-come, first-serve basis with a waiting list if needed. The registration deadline is **Friday, May 25<sup>th</sup>, 2018.**

The fee is **\$100** per student.

Check out a short video clip from last year's STEM camp: [https://youtu.be/RTFDvtZ93\\_U](https://youtu.be/RTFDvtZ93_U)



## THE FOUR MODULES

### Film & TV Production

Instruction will be given for hands-on experience to develop and enhance skills in various aspects of video production techniques including program development, news casting, equipment operation (including drone technology), editing, sound, and lighting. Emphasis will be placed on related careers, station organization, oral/written communication, and listening skills.

### Ecology & Environmental Science

Students will study the relationship between organisms and their environment, building the knowledge, skills, and leadership necessary for stewardship of nature. Students may make field trips to the creek near Marian University to study factors affecting life in and surrounding the creek. Energy and matter transfer within ecosystems will also be studied.

### Life Science & Biotechnology

Students will study the structure and function of living systems, from whole organisms to organ systems, to single cells and molecular biology, including the biotechnology of DNA and genetics. Focus will also be placed on related careers and related research techniques.

### Coding & 3-D Printing

Students will discover how 3-D printing is changing our future through studying the engineering and design process, and the elements of industrial design, with coding.