

# Center for STEM Education

## Trustey Family STEM Teaching Fellows

### Overview

We believe that science, technology, engineering, and mathematics can be used as a force for good. The Trustey Family STEM Teaching Fellows work in school-based team and across cohorts to ensure that all students can engage in rigorous and meaningful learning opportunities that are attentive to their ideas and identities. This unique and prestigious Fellowship is rooted in research-based practice and is part of a broader community seeking to provide equitable instructional practice across the STEM disciplines and leadership in transforming the STEM culture of their school communities.

### What do the Trustey Fellows do over the summer?

Fellows engage in long-term growth over three summers and two academic years. Summer Institutes – two-week residential summer professional development opportunities – focus on improving STEM content knowledge, core instructional practices, and the development of a school-specific STEM Blueprint. National experts and master teachers work with Fellows throughout the course of the program to develop research-supported classroom interventions.



### What support will Trustey Fellows receive throughout the school year?



Fellows will participate in video-based, content-specific instructional coaching throughout the academic year. Fellows will also convene at a weekend-long mid-year summit focused on innovations in STEM Education. School-based teams will receive support from the Notre Dame team as they design, plan, execute and measure their school-wide STEM Blueprint, which is designed to increase student interest, learning, and student identification with the STEM disciplines.

### How will the impact of the Trustey Fellows be measured?

The Notre Dame Center for STEM Education will evaluate and study the impact of the program on teachers and students so as to continuously improve the experience and contribute to other national STEM professional development initiatives. Data is collected in the form of teacher surveys and interviews, student content assessments and surveys, and the observation by an external evaluator.

