Provost Immersive Learning Grant Recipients

Spring 2017

The Purple Cow: Moving from Ordinary to Extraordinary Care of Children

Project Director: Stacey Allred
Elementary Education

Abstract: This immersive project involves a partnership with Kidz Korner Child Care Center in downtown Muncie. BSU students will work with their partner to create and administer a parent/family needs survey, design and print a logo for the center, promote and foster collaborative partnerships between the center and local agencies, and develop and implement a parent training or family event focused on areas of need highlighted in survey results.

Media Analytics in Practice - Second Iteration: Eye Tracking Research

Project Directors: Robin Blom and YoungAh Lee
Journalism

Abstract: This iteration of the “Media Analytics in Practice” course will have an emphasis on A/B testing through eye tracking research and will help students to become more versatile in developing audience insights for the community partner.

Pathway to Success (P2S): Improving College Readiness for Indiana High School Students

Project Directors: Cindy Cash and Dan Jones
iLearn

Abstract: Ball State students will work with the Indiana Academy for Science, Mathematics, and Humanities to develop a time management module for high school students. This personalized, adaptive learning approach will test how students can use technology to make their class and study time more productive, and make them better prepared for juggling time commitments when they reach the college environment.

Stance: An International Undergraduate Philosophy Journal

Project Directors: David Concepcion
Philosophy & Religious Studies

Abstract: Stance is an international academic journal that is edited and produced entirely by undergraduate students. With this funding, the class will identify and pursue an area of innovation for the journal, and students will promote the publication at the
American Philosophical Association’s national conference.

**Telling Muncie’s Stories with Geolocative Interactive Narrative Games**  
**Project Director:** Paul Gestwicki  
Computer Science

**Abstract:** Students will work with Minnetrista staff to explore game-based, technology-enhanced methods for telling Muncie’s stories. The resulting game design will be geared to the whole family and will utilize locative technology in physical spaces such as Minnetrista’s Nature Area and Oakhurst Gardens. The goal is to create a system where visitor-generated content can be created, as well.

**Developing the Cardinal Weather Service**  
**Project Directors:** Nathan Hitchens and Petra Zimmermann  
Geography

**Abstract:** This project will focus on the creation of the Cardinal Weather Service (CWS), an organization that produces customized, daily public forecasts for Delaware County clients. This funding will enable students to establish the operational guidelines, procedures, and structure for the CWS, including furnishing the space in which it will be located.

**To the “Stars” & Back: Exploring Our Planetary Backyard - Summer Science Camp for Middle School Girls at Ball State University & Pre-service Teacher Field Experience for Multicultural Education**  
**Project Directors:** Susan Johnson, Sue McDowell, Patti Lang, Carolyn Dowling, Joel Bryan, Dayna Thompson and Keri L. Rodgers.  
Dean’s Office, College of Sciences and Humanities

**Abstract:** BSU teaching majors, science faculty, and community partners will collaboratively design and implement a summer science camp to be held at Ball State University (BSU) for middle school girls from diverse communities in Muncie. The project will be embedded in EDMU 205 (Introduction to Multicultural Education), and will serve as the field experience for this required course.

**Computer Science for Middle Schoolers (CS4MS)**  
**Project Director:** David Largent  
Computer Science

**Abstract:** The development of Computer Science (CS) and Computational Thinking (CT) modules will be implemented at Northside Middle School with a particular emphasis on offering opportunities to underrepresented minorities and girls. Although
Computer Science students will be recruited for this class, an interdisciplinary team will be sought to research the partner’s needs, evaluate existing programs, and develop new pedagogy and content.

**Light in the Space: An Exploration of Designing the Lighting System for a Theatre Renovation**  
*Project Director:* Mickie Marie  
Theatre and Dance

*Abstract:* This project will allow an interdisciplinary group of students from theatre, architecture, engineering, and other backgrounds to explore the requirements of a theatrical lighting system. Students will meet with the community partner, Muncie Civic Theatre, to identify that organization’s needs, research current lighting technology, and then recommend specific lighting concepts that can be incorporated into a future renovation.

**Betsy’s Best, Food Science & Nutrition Sensory Research & Development Project**  
*Project Director:* Deanna Pucciarelli  
Nutrition & Health Science

*Abstract:* This project aims to develop recipes and educational materials using Betsy’s Best specialty products. Students will determine which chronic disease to investigate and design a set of recipes, blog entries, and educational materials for the collaborative partner. Research findings will be evaluated by the project partner and professor, and disseminated at either the Gluten-Free and Allergy Expo in Indianapolis, the BSU spring 2018 Student Research Symposium, and/or Indiana Academy of Nutrition and Dietetics state conference.

**The Brownfields to Brightfields Project: Analysis of Solar Potentials for Brownfields in Delaware County, Indiana**  
*Project Directors:* Sanglim Yoo  
Urban Planning

*Abstract:* Up to 20 students in the Brownfields to Brightfields Project (BBP) will survey, inventory, and map 20 Delaware County brownfields to assess their solar installation potentials for the Sierra Club Hoosier Chapter. Students will perform land analysis, assess potential solar generation capacity, and determine sites’ potential for economic development. BBP will share results through detailed web-based site maps, replication guide, webinar, and presentations to local officials and stakeholders, state/national conferences, and in print.