

USG STEM Initiative at Armstrong-Hesse Professional Development School

The Armstrong-Hesse Partnership

- Established in the fall of 2015, between Armstrong's College of Education (COE) and the Hesse K-8 School
- Serves Kindergarten to 8th -Grade students
- Goals of Professional Development School (PDS) – shared research focus, improved teacher preparation, emphasis on inquiry-based learning, and enhanced professional development and support for practicing teachers → leading to improved student achievement
- Armstrong teacher interns (year-long internships)
- Teacher candidate field experiences
- Armstrong & Hesse faculty liaisons
- Armstrong courses taught on-site (math methods, ELA/Reading)
- Focus on inquiry-based instruction & co-teaching models
- Professional development workshops for Hesse faculty (math, reading)
- Data analysis days held on Armstrong campus (9/12 & 9/14/2016) – Hesse faculty review standardized test data for instructional decision-making purposes
- School administration supports a strong math focus
- Faculty interest in STEM teacher certification

USG STEM-Based Activities

- Hesse Principal, Vice-Principal and Academic Coach, as well as two Armstrong COE faculty, attended the University of Georgia PDS workshop (10/25/2016) in Athens, GA; partially funded by USG STEM grant
- Math workshop on the use of error analysis to differentiate instruction (2/21/2017)
- Two STEM workshops (3/30 & 4/18/2017) provided for teachers interested in STEM certification
- Three additional STEM workshops scheduled for the 2017-2018 academic year; the first will be held during teacher planning (in August), and two others will be scheduled over the course of the fall and spring semesters.

USG STEM Funding for the PDS

- Resources for teacher workshops, to include paying substitutes so that Hesse teachers can attend workshops
- Instructional resource materials (e.g.: math & science manipulatives)
- Professional development for Armstrong faculty and Hesse teachers to improve instruction/instructional support in mathematics instruction and science literacy