WHAT IS OUTREACH?

• Organized effort to influence the conversation about computer science education

• Opportunity to engage in teacher development and support

• Focus on inspiring K-12 students to develop their interest in computing, problem solving, and technology

• Ability to expand the potential recruiting base for Purdue University
MAJOR CHALLENGES

PURDUE K-12 OUTREACH FOR COMPUTER SCIENCE

• Improving the understanding of what computer science is

• Finding the right context for computer science in K-12 curriculum

• Defeating the stereotypes that negatively affect the perception of computer scientists

• Developing opportunities for meaningful interventions
ADVENTURES IN CS CAMP 2014
PURDUE K-12 OUTREACH FOR COMPUTER SCIENCE

- Two camps
- 62 total students
- Middle School – Intro to CS
- High School – Computer Security
- Student tuition covers about 60% the operating cost
- Support this year from State Farm and Boeing
MAGIC MENTORING

PURDUE K-12 OUTREACH FOR COMPUTER SCIENCE

• “Mentors for Aspiring Girls in Computing”
• Purdue students mentoring high school women in after school clubs
• Four participating high schools
• Corporate field trips (Interactive Intelligence)
• Year-end celebration
• State Farm sponsoring clubs
NCWIT ASPIRATIONS AWARD

• Annual award given to 20 young women in the state of Indiana
• Goal is to encourage female participation in computer science related career paths
• Need small contributions in order to improve the prize offerings and to sponsor the awards ceremony
• Contact: Maureen Biggers (biggersm@indiana.edu)
REACH OUT FOR COMPUTER SCIENCE
PURDUE K-12 OUTREACH FOR COMPUTER SCIENCE

• Bring CS to schools without
• Work with youth-serving organizations to engage students in CS.
• Provide Purdue students with opportunity to develop leadership skills, and give back to community.
CS TEACHER WORKSHOPS
PURDUE K-12 OUTREACH FOR COMPUTER SCIENCE

IBEA Conference CS Track
Provide for visiting instructors
Travel costs for teachers
Support for CSTA which in turn supports Indiana’s CS teacher population
LAST REQUEST...
PURDUE K-12 OUTREACH FOR COMPUTER SCIENCE