

K-12 OUTREACH
COMPUTER SCIENCE

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K-12 OUTREACH COORDINATOR

September 15th, 2015

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



- 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 2015





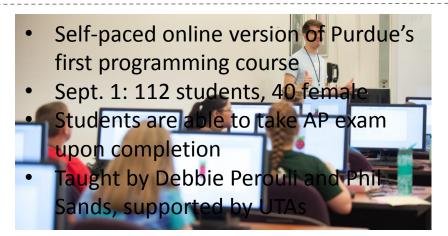


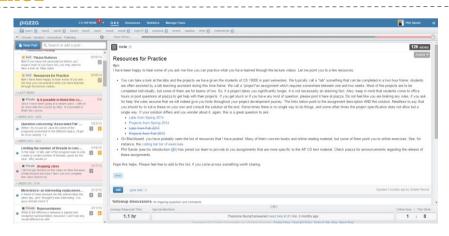


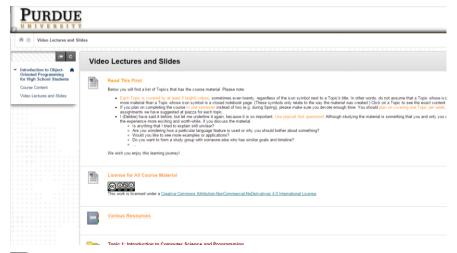


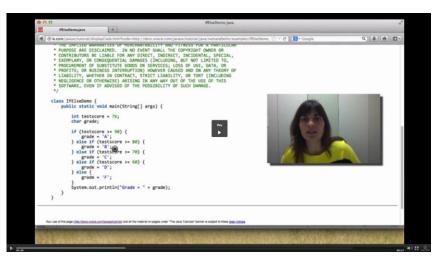


ONLINE CS 180 FOR HIGH SCHOOLERS











PURDUE COLLEGE OF SCIENCE

PURDUE K-12 OUTREACH FOR COMPUTER SCIENCE

	Male	Female	% Female
College of Science Total	2243	1116	33.2%
Computer Science	833	94	10.1%
Physics	155	24	13.4%
Math	197	78	28.4%
Chemistry	119	56	32%
Earth, Atmospheric, Planetary Science	51	33	39.3%
Statistics (w/ actuarial science)	175	116	39.9%
Biology	155	252	61.9%

Note that not all College of Science students are included above



http://www.purdue.edu/enrollmentmanagement/researchanddata/enrollment-summary/2014/fall/Sci.pdf

MAGICMENTORING

PURDUE K-12 OUTREACH FOR COMPUTER SCIENCE













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REACH OUT FOR COMPUTER SCIENCE













CS TE! CHER WORKSHOPS













OUESTIONS?



