TESTIMONIALS.

The iDEW Program has given my students a chance to explore computer science and informatics through a project-based curriculum in a way that is engaging and challenging. Our first group of iDEW students at Pike was 27 in a single class in 2015. Now we have 248 in ten classes, with a total of 443 students to date.

Mr. Justin Smith,
Computer Science Teacher, Pike High School

I choose to work with the iDEW program staff to enhance the resources available to my students. They have learned how to use technology to solve real world problems, and I have enjoyed the support I have received as I introduce my students to problem solving using technology.

Ms. A. Jones,
Computer Science Teacher, George Washington High School

I want to thank you guys for all the help you gave us in seeing our imaginations be put to display on the screen. I had never been into computers or programming but I thought I might get into this class because some of my friends are in it and I realized I really like it. I like it so much that I do it outside of school and work on my own projects. So thank you for inspiring me to get out of my comfort zone and to help find a passion that I will have for the rest of my years.

Anonymous iDEW Student

soic.iupui.edu/idew

iDEW FOUR YEAR PILOT HIGHLIGHTS.

Designed by the Indiana University School of Informatics and Computing at IUPUI, the Informatics Diversity-Enhanced Workforce (iDEW) program prepares underrepresented minority and economically disadvantaged high school students in Indiana for informatics and computing careers.

IUPUI
SCHOOL OF INFORMATICS AND COMPUTING

DATA.

I am interested in pursuing a career involving computing, information technology, or technology design.

| 79 | 86 | 89 |

I would recommend this class to other students.

| 79 | 93 | 100 |

This class helped improve my ability to effectively gather, evaluate, and use information from a range of sources.

| 74 | 78 | 93 |

This class helped convince or confirm my decision to attend college.

| 52 | 77 | 81 |

This class challenged and motivated me to learn new things and try my best.

| 74 | 81 | 96 |

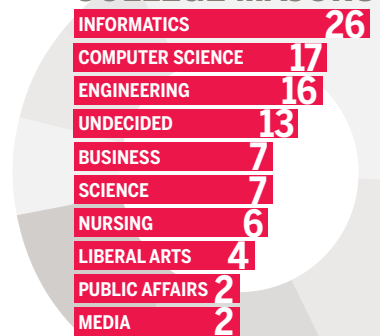**This class helped improve my ability to collaborate effectively with others as a member of a team.**
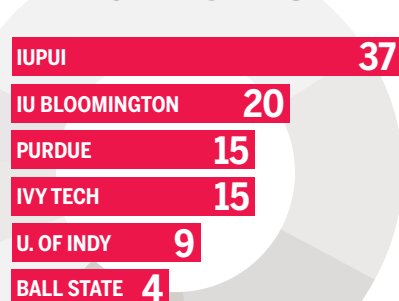
| 71 | 87 | 96 |

YEAR 1
YEAR 2
YEAR 3

iDEW GRADUATES COLLEGE MAJORS

INFORMATICS	26
COMPUTER SCIENCE	17
ENGINEERING	16
UNDECIDED	13
BUSINESS	7
SCIENCE	7
NURSING	6
LIBERAL ARTS	4
PUBLIC AFFAIRS	2
MEDIA	2

COLLEGE BOUND iDEW GRADUATES

IUPUI	37
IU BLOOMINGTON	20
PURDUE	15
IVY TECH	15
U. OF INDY	9
BALL STATE	4

* All numbers represent percentages.

HIGHLIGHTS.

- iDEW expanded from three classes in 2015/16 to 24 classes each semester in 2018/19 for a total 100 iDEW classes offered.

- Welcomed five new schools (ten additional classes) to iDEW community in fall 2018.

- Growth of student participation from 75 in year one to 663 in year four, over 880%.

- 1025 high school students in the iDEW program to date, preparing to fill the critical shortage in the IT workforce pipeline.

- 80% minority and 24% female student participation to address shortage of women and underrepresented minorities working in the greater IT sector.

- Student retention from year one to year three is 81%, and 100% of iDEW seniors graduate (compared to 85.9%.*)

- 562 student projects in trivia apps, robotics, video game design, Internet of Things (IoT), data visualization, and chatbots completed.

- Students registered for 185 Indiana University dual credit classes.

- SoIC faculty and 31 IUPUI student mentors logged over 150,000 contact hours with iDEW students.

- Summer industry visits to Cisco, Cummins, Eli Lilly, Google, Kronos, and Salesforce.

- 25 students participated in iDEW internships with community business partners such as Cummins and Eli Lilly

- To date 94% of iDEW graduates matriculate to a 2 or 4-year college with 63% of these students pursuing a STEM degree (compared to 49.4%.*)

- 23 iDEW students received Leading Informatics for Tomorrow (LiFT) Scholarships to attend IUPUI in 2017, 18 and 19.

- 22 students traveled to Atlanta in fall 2017 to attend the ACM Richard Tapia Celebration of Diversity in Computing and visit the HBCUs. 26 students traveled to New Orleans and Atlanta to attend the 2018 and 2019 BDPA Technology Conference.

- Over $2 million dollars raised from local corporations, foundations, and the state of Indiana.

- Winner, 2018 Tech Educator of the Year at TechPoint's Mira Awards.

- iDEW teacher Justin Smith receives 2019 National Center for Women in Information Technology Aspirations in Computing Educator Award for Indiana. iDEW students have accumulated 8 NCWIT Indiana Affiliate Aspirations in Computing Awards and 4 National Honors.

- Recipient, 2017 US2020 STEM Mentoring Award for Excellence in Public-Private Partnerships.

- Recipient, 2018 Indiana Award for Excellence in Career and Technical Education Partnerships with both Pike and Arsenal Technical high schools.

- Program attracted $4 million grant from the National Science Foundation for need-based scholarships.

* Indianapolis area schools with majority of students on free or reduced lunch.

8 HIGH SCHOOLS

31 STUDENT MENTORS

100 CLASSES OFFERED

1025 STUDENTS ENROLLED

562 STUDENT PROJECTS

150K CONTACT HOURS

25 PARTNER INTERNSHIPS

3 PROGRAM AWARDS

iDEW