Indiana Computes!

CS HOMEROOMS
Ball State University
Goshen College
Indiana State University
IU Bloomington
IU Northwest
IU South Bend
IUPUI
Indiana Wesleyan
Purdue Fort Wayne
Purdue University
University of Evansville
University of Indianapolis
University of Notre Dame
University of Southern Indiana

PROJECT CONTACT
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WEBSITE
Indianacomputes.net

INDIANA COMPUTES!

FREE Teacher Professional Development Without Ceilings

WHAT
IndianaComputes! is a network of universities and colleges around the state collaborating to bring Computer Science teacher professional development and capacity to your local region. With funding support from the Indiana Department of Education, program activities include: graduate level coursework, monthly workshops, expanding resources and on the ground, on-going support from CS faculty online and face-to-face, when permitted.

WHO CAN PARTICIPATE?
All K-12 Computer Science stakeholders, including pre-cert and in-service, STEM specialists, administrators, counselors, faculty, CS beginners and experienced. Our program uses differentiated learning to ensure each participant moves forward in their Computer Science journey.

HOW IT WORKS

CS Homeroom
Teachers join CS Homeroom cohorts for collaborative work and support. CS Homerooms in your area will be your anchor.

Program
- Online curriculum delivered in exploration modules
- Participating teachers receive coaching support from CS Homeroom faculty.
- Capstone (online gallery walk or in person showcase).
- Differentiated learning provides instructional value to all levels of Computer Science experience and responsibility
- All program materials are in the public domain and are available for immediate classroom use.
- Data driven program development and revisions: The program is fine tuned to meet individual stakeholder needs. We will listen to you, and continue to make program revisions designed to optimize stakeholder value

TO REGISTER
https://nd.qualtrics.com/jfe/form/SV_aaV8urIbKg5Ad25

CS CONTENT AND PEDAGOGY

- Computational practices
- Programming
- Data Analysis and Simulations
- Cybersecurity
- Classroom best practice
- CS Assessment

SCHEDULE

- Week of June 7, 2020: Kick-off meeting (attend one of the many offered).
- June 13, 2020 to November 21, 2020: Module work.
- November 22, 2020 to January 2, 2021: Holiday recess.
- January 3, 2021 to June 5, 2021: Module work.
- June 6, 2021 to June 30, 2021: Gallery walk or Capstone workshop.

PARTICIPANT BENEFITS

- $300 stipend for course completion.
- Participate in program research to assess best practice instruction of CS professional development using a blended format, coached by CS faculty.
- **High School teachers** (grades 9 – 12): option to earn 3 graduate credits through Indiana University's ACP program. The cost for this credit is FREE!
- **K-8 teachers**: 3 graduate credits are available to a cohort of 30 teachers. Teachers will be informed about cohort guidelines. The cost for this credit is FREE!

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CURRICULUM

- **Aligns to Indiana Standards**
- **STEAM Cross-walked**
- **Uses Problem Based Learning**
- **Aligns to state STEM initiative**

WHY PARTICIPATE?

- **FREE!**
- **The course instruction is modular; designed to be available when you are.**
- **Participants work with CS Homeroom faculty as coaches and collaborate with CS Homeroom colleagues.**
- **Guidance with evaluating student work, extending lesson plans, and integrating CS across disciplines.**