Unpacking Updated Indiana Computer Science Standards K-8
March 7, 2023

Designed for all K-8 Indiana school educators teaching across all subjects, the Integrating Computer Science professional development workshop is designed to equip teachers with the knowledge and instructional strategies to integrate computer science into existing coursework.

The workshop will provide an intro to computer science, pedagogy, overview of the online curriculum, teacher dashboard, and strategies for teaching "unplugged" classroom activities.

The day will consist of learning, engaging with your peers with meaningful discussion, and gaining strategies to implement in the classroom.

Agenda:

- Role of Computer Science in society and the classroom
- Indiana Computer Science Standards, including where to locate the standards and how to navigate the curriculum map
- Introduction to the 6 core concepts of CS:
  - Data and Information
  - Computing Devices and Systems
  - Programs and Algorithms
  - Networking and Communications
  - Impact and Culture
  - Digital Literacy
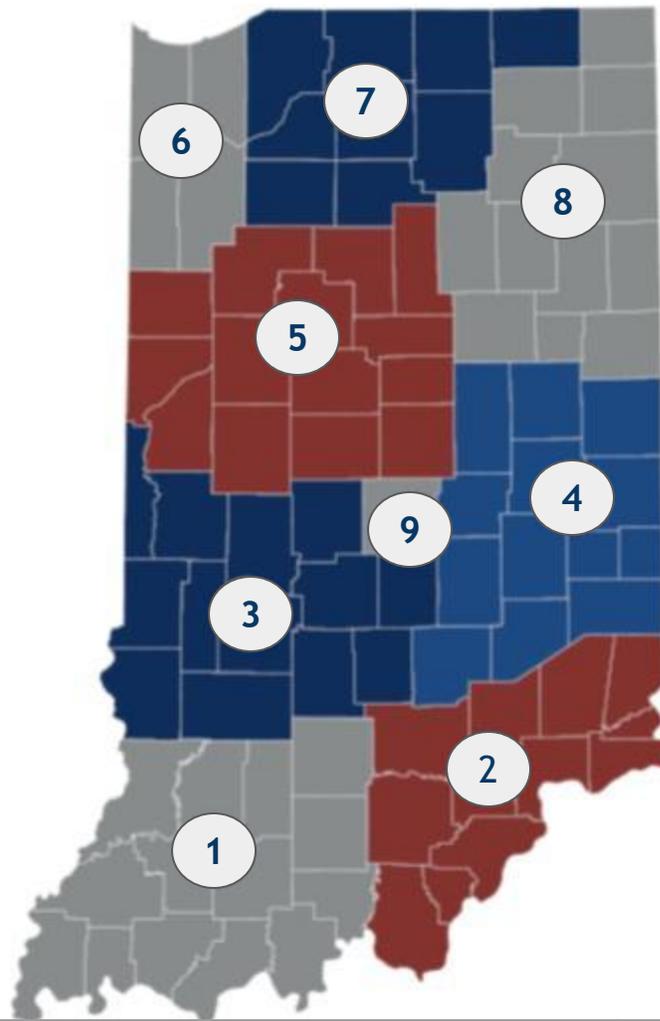- Experiencing classroom lessons for each core concept

Target Audience:
- Computer Science Teachers
- Media/Library Specialists
- Resource/Tech Teachers
- General Education classroom teachers

Free Event / Free Lunch
Sub Fees Reimbursed

Having worked in the industry, the classroom and at non-profits, Jenna Garcia has a unique understanding of Nextech's mission as well as how to best tailor opportunities for Indiana's educators looking to bring computer science to their students and schools. She is excited to help educators learn and grow in their computer science journeys.

Educational Service Centers of Indiana

Opportunities for
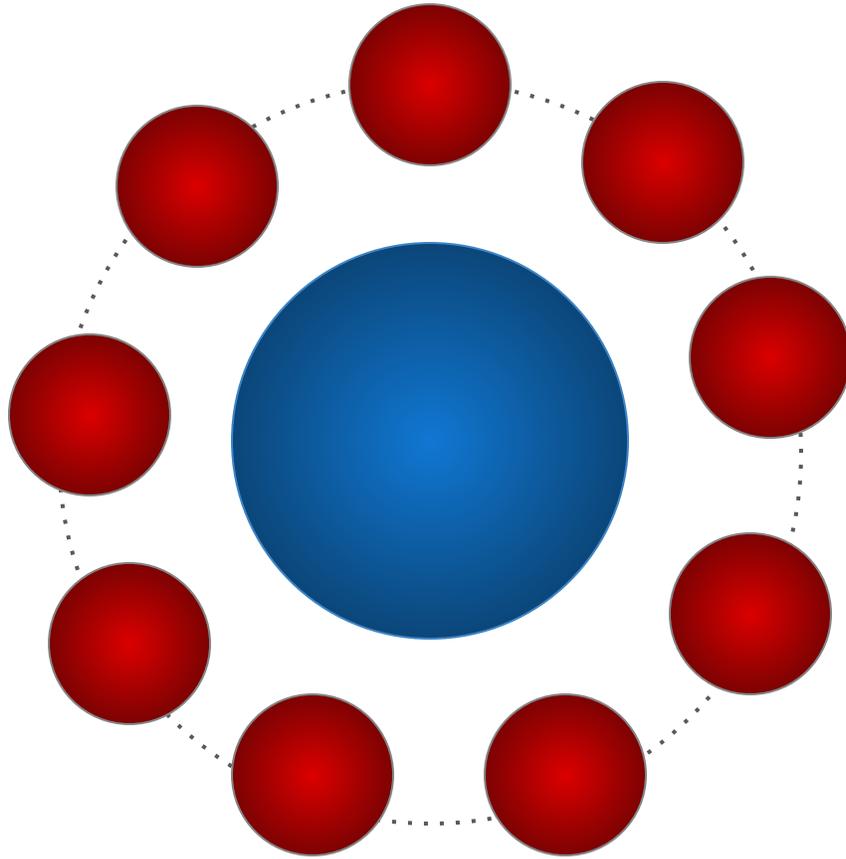
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> Click a location to see event details!

Region 1 Southern Indiana Education Center 1102 Tree Lane Drive Jasper, IN 47546 V: (800) 264-6641	**Region 2** The Wilson Education Center 2101 Grace Avenue Charlestown, IN 47111-8644 V: (800) 326-5467	**Region 3** West Central Education Center 1 N. Calbert Way, Suite D Greencastle, IN 46167 V: (765) 653-2727
Region 4 East Central Educational Service Center 705 W. 21st Street Connersville, IN 47331 V: (800) 669-3010	**Region 5** Wabash Valley Education Center 3061 Benton Street West Lafayette, IN 47906 V: (765) 588-1536	**Region 6** Northwest Indiana Education Center See registration link for location V: (219) 926-5555
Region 7 Northern Indiana Educational Service Center 56535 Magnetic Drive Mishawaka, IN 46545 V: (800) 326-5642	**Region 8** Region 8 Education Service Center 1027 West Rudisill Blvd. Fort Wayne, IN 46807 V: (260) 423-0030	**Region 9** Central Indiana Educational Service Center 3500 DePauw Blvd., Ste 2020 Indianapolis, IN 46268 V: (317) 759-5555

How does the ESC of I provide a hybrid event?

- Educators register to meet at the ESC of their choice, ready to collaborate in-person on the day of the event.

- A presenter prepares and delivers live, synchronous learning material throughout the entire day

- A facilitator is present at each ESC location, to guide the group of educators through collaborative exercises and connections with other locations across the state.

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