

Pedagogical Approaches to Teaching CS

CS₄EDU

Context

► **Changing Views of Teaching and Learning**

- Over the past quarter-century, there has been a significant shift in how we view education.
- Sage on the stage —————> Guide on the side

► **Information Technology**

- Can play a key role in transforming or supporting new educational practices.



This afternoon's topics:

- ▶ **CS Methods Course**
 - Aman Yadav and Tim Korb, Purdue
- ▶ **POGIL (Process Oriented Guided Inquiry Learning)**
 - Chris Mayfield, James Madison
- ▶ **Project IMPACT and Flipped Classrooms**
 - Bill Crum, Purdue