Equity: Ensuring Effective Computing Instruction for All
TIPP&SEE metacognitive learning strategy narrowed gap between students with and without academic challenges.

Justice: Rethinking the Narratives in Computing Instruction

Youth’s Perceptions of Fairness in Computing
Research Questions:
- How do youth make sense of fairness in computing technologies?
- How do youths’ identities and backgrounds shape their perceptions of fairness in computing?

Consequences of Not Teaching Critical Computing
Research Questions:
- How do students first encounter the harms of computing?
- How do those encounters shape their attitudes toward computing?
- How would critical computing instruction shape their perceptions of their negative early computing experiences?

Teacher Support for Critical Computing
Research Questions:
- What are the barriers to implementation in elementary school?
- How would educators make the tradeoff between engagement & criticality?
- What technological, pedagogical, and content knowledge would teachers need to teach critical computing?