

IMPACT RPP Developed Reflection Questions for culturally responsive pedagogy and computational thinking

Reflection & Development Questions: Culturally Responsive Pedagogy

1. In what ways is the context of the experience connected to your students' cultural and linguistic backgrounds?
2. In what ways are students encouraged to make connections to their home/community culture?
3. In what ways students see themselves represented in CT through this experience?
4. In what ways are students encouraged to express and communicate their knowledge and ideas using multiple modes and modalities (i.e. writing, drawing, speaking, etc...), including students' home language?
5. In what ways are materials and tools developmentally appropriate, culturally accepted and easily available for all students?

Reflection & Development Questions: Computational Thinking

1. In what ways does the learning experience ask students to engage in **Abstraction**, i.e. removing unnecessary detail, and identifying common features?
2. In what ways does the learning experience ask students to engage in or identify **Algorithms**, i.e. sequential steps and rules, identifying and resolving bugs?
3. In what ways does the learning experience ask students to engage in manipulating, identifying, or processing **Data**, i.e. structured information?
4. In what ways does the learning experience ask students to engage in **Programming and Development**, i.e. creating software, implementing algorithms -- on the computer or off, iterating on design, debugging?
5. In what ways does the learning experience ask students to engage in **Modeling and Simulation**, i.e. observing, building, or analyzing representations of real world systems and processes?