Instructional Days 7-9: Problem-Solving Process Practice

Overview
The lesson will reinforce the four main phases in the problem-solving process.

Lesson Summary
● Cultural background of cornrow braiding.
● Group discussion on the cultural background of cornrow braiding.
● Cornrow curves design tool tutorial.
● Cornrow curves project.
● Gallery walk.

CS Content
The lesson is meant to reinforce the four main phases of the problem-solving process:
1. Understand the problem.
2. Make a plan to solve the problem.
3. Carry out the plan.
4. Review and reflect on how the problem was solved.

Objectives
Students will be able to:
● Solve a problem by applying the problem-solving process.
● Express a solution using standard design tools.
● Determine if a given solution successfully solves a stated problem.

Materials and Prep
● Culturally Situated Design Tools Cornrow Curves (csdt.rpi.edu)

Resources
Student Documents
● Culturally Situated Design Tools Cornrow Curves (csdt.rpi.edu)
● Unit 2 Days 7-9 Problem-Solving Process Practice presentation

Code Studio
● n/a

Video
● n/a

Assessments
● Gallery walk of designs.

Notes

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