

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)
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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.](#)
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Notes
