Lesson Days 1-3: Room Data Project, Set Up Final Project

Overview
Students will explore the pitfalls and challenges of putting together and managing large sets of data.

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Lesson Summary
- *One of the main aspects of the lesson is to assist students in selecting a possible research topic for the final Unit project.*
- *First Activity: Review videos provided in CS content as possible sparks to ignite student's interest in a given topic.*
- *Second Activity: Student will complete a journal prompt.*
- *Third Activity: Assign data collection for homework*
- *Fourth Activity: Students will work in groups to merge and narrow down their data so at the conclusion of class the group should have a well-formatted file for data collecting*

CS Content
Sample Final Project Topics provided by CS.

Objectives
Students will be able to:
- Explain the possible themes for the final project
- Explain the difference between data used for making a case and data that informs discovery
- Identify and discuss the considerations that must be made in order for a large data set
- Consider how various types of data (numbers, text, dates, etc.) lend themselves to processing

Materials and Prep
- Room Data Collection Project
- Final Project Rubric

Resources
Student Documents
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Code Studio
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Video
- CS Videos

Assessments
- Student Projects
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Notes