Lesson 13-14: Linear and Binary Search Algorithms

Overview
Building a tower with blocks to model the binary/linear search concepts.

Lesson Summary
- *Students, in groups, will complete the tower building activity.*
- *After completing that, students will model the tower building algorithm.*
- *Next, students will view binary search/linear search video*

CS Content
Algorithms
Linear Search
Binary Search

Objectives
Students will be able to:
- Describe the linear search algorithm
- Describe the the binary search algorithm
- Explain conditions under which each search might be appropriate

Materials and Prep
- Blocks for tower building
- Loaded video
-
-
-

Resources
Student Documents
- *https://docs.google.com/spreadsheets/d/1Sc8VHedKJBEM3Qj6bY4bGEbFtODZAYQLHGpAs9EzM1A/edit#gid=0*
- https://drive.google.com/drive/search?q=Tower%20Building%20Activity
-

Code Studio
-

Video
- https://www.youtube.com/watch?v=JQhciTuD3E8

Assessments
- https://docs.google.com/spreadsheets/d/1Sc8VHedKJBEM3Qj6bY4bGEbFtODZAYQLHGpAs9EzM1A/edit#gid=0
-
-

Notes
....

....