

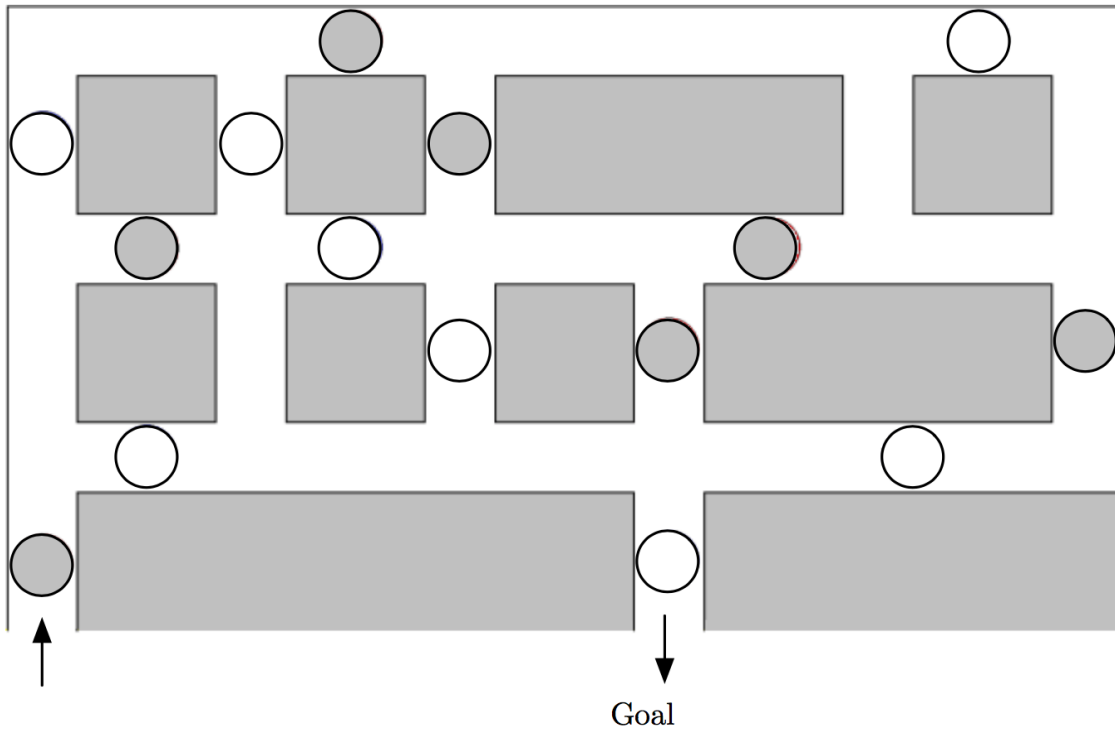
# Guided Notes

(to use with the Welcome to CS-FAST Video)

Submit all assignments here: <https://tinyurl.com/CS-FAST-Assignments>

(Note: You can edit this file, print/write/scan/submit file, OR respond to questions in separate Word doc)

## Exercise 1: Warm-Up



Go past dots in this order: grey,  
white, grey, white, ....

What strategies did you use to solve our Warm-Up Maze (Exercise 1):



## Exercise 2: What is Computer Science?



Summarize the process you used to sort your hand. You may use words, graphic organizers, or anything else that you find helpful. Assume that someone who does not understand what the word “sort” means will need to interpret your process.



### Exercise 3: Computer Science vs. Coding

Discuss the differences between Computer Science and Coding by answering the following questions. There are no wrong answers here! This should just be a reflection of your thoughts and opinions

Which seems more difficult to learn and why?

Which seems more meaningful to learn and why?

Should students learn both? If one or the other, which should they learn?

If they should learn both, which should they start with?



## Exercise 4: Computational Thinking (CT) Pillars

Write down an example where you have used or could use the specified CT Pillar in your classroom.

4a: Pattern Recognition

4b: Abstraction

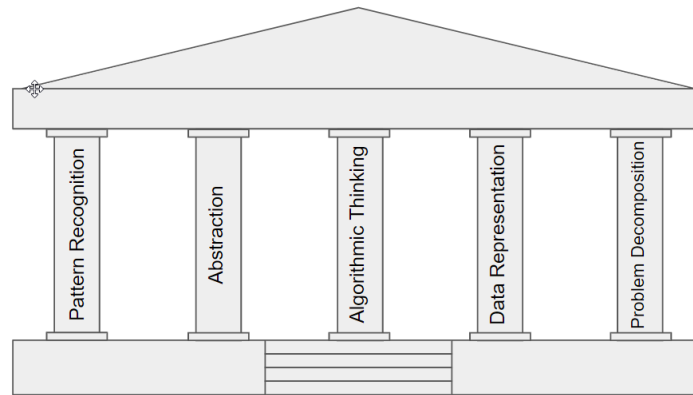
4c: Algorithmic Thinking

4d: Data Representation

4e: Problem Decomposition



## Exercise 5: Problem Solving with Computational Thinking



Write down which pillar(s) align with each step in the problem-solving process and why you believe they belong there.

5a: Problem Formulation

5b: Solution Expression

5c: Solution Execution

