Name:	Date:	Class:
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Simon Decoded Worksheet

Design Challenge:

Your team is part of an engineering firm that has been tasked to make an analog version of Simon that can be used anywhere, at any time.

Research:

Take some time to play Simon online. (<u>Click here to play.</u>) Record your observations and what you learn about the game. As you explore the game, you are engaging in decomposition, pattern recognition, and abstraction.





Brainstorm: Record all possible solutions. Go wild and write down as many ideas as you can think of!
Select a Solution: Select one solution to prototype. Keep in mind the materials available and explain why your group chose this solution.

Date:



Name:

Class:

Testing and Debugging: Test your solution with your group. Identify any errors and make necessary adjustments. Note your changes here.	
Final Design: Record your final design solution here. Be detailed: What are the rules of your game? How does it achieve the design challenge?	•

Date:



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Play the Game!

Use the tables and directions below as a template for your gameplay. Create new tables as needed to record data of your games.

1. Assign roles:

Role	Name
Randomizer (Dealer)	
Scorekeeper	
Player	

- 2. Have the randomizer shuffle the cards as many times as they want.
- 3. Have the scorekeeper write down the order of the first 10 colors in the table below.
- 4. Have the scorekeeper set the stopwatch to zero.
- 5. Have the scorekeeper start the stopwatch when the player begins.
- 6. Stop the stopwatch when the player answers with a color not in its proper color sequence (CS).
- 7. Record the time.

CS #1	CS #2	CS #3	CS #4	CS #5	CS #6	CS #7	CS #8	CS #9	CS #10	END TIME







