

Game of Dice

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Task: Develop an unplugged activity for a CS concept that has been covered this summer.
Describe your concept and activity

Concepts: Random numbers and conditionals

Task description:

2 dice rolling, number of rounds: 2 per player (if you don't have Craps)



Players: 1
Roll 2 dice

If:

2 OR 7 -Craps. You lose.

Else:

Roll the dice again

If

Roll the same number you win

Else

7 you lose

Students will be tasked to create their own game that includes 1-2 players, 2 dice, and conditionals similar to the example.

Differentiation:

Mild: Create a simple game that involves one of either IF or ELSE.

Medium: Create a game that involves both IF and ELSE.

Spicy: Create a game that involves at least 2 nested IF or ELSE statements.

Scaffolding: Worksheet to help students develop game includes:

1. Rules
2. Materials needed
3. IF ELSE sentence starters.
4. Number of players.