

Data Management

GAME CONSTRUCTION PROCESS

Interactive Board for Data Management

Materials:

- wood board
- wood numbers (1, 2, 3, 4)
- one Touch Board started kit from Bare Conductive
- paperboard or k-line
- electrical wires
- adhesive tape

Construction Process:

1. use a wood board to inscribe your game name and description project;



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2. Add 4 holes in the board to pass the 4 electrical wires.



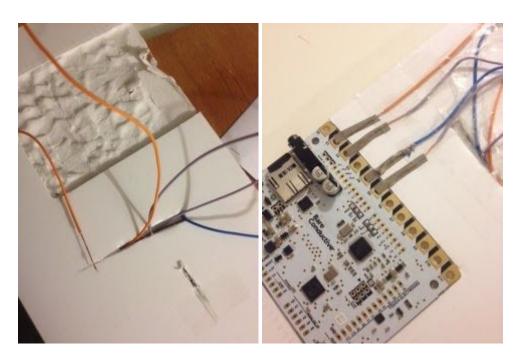
3. Paint the wood numbers with electric paint from the started kit Bare Conductive.



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4. Use a paperboard or other material (K-line board) to connect the electrical cables to the TouchBoard, glue the paperboard in the back of the wood board.



5. Connect the electric cables in the wood numbers with adhesive tape, and then glue the numbers in the wood board.



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- 6. Setting up your Touch Board with arduino: visit the link: https://www.bareconductive.com/make/setting-up-arduino-with-your-tou-ch-board/
- 7. Connect the interactive board to your computer.



8. Run Arduino (Now that everything has been installed, and you have restarted your computer (if necessary) you can open the Arduino IDE again. Once it has loaded, select: File→Sketchbook→Touch Board Examples→HID KEYBOARD)

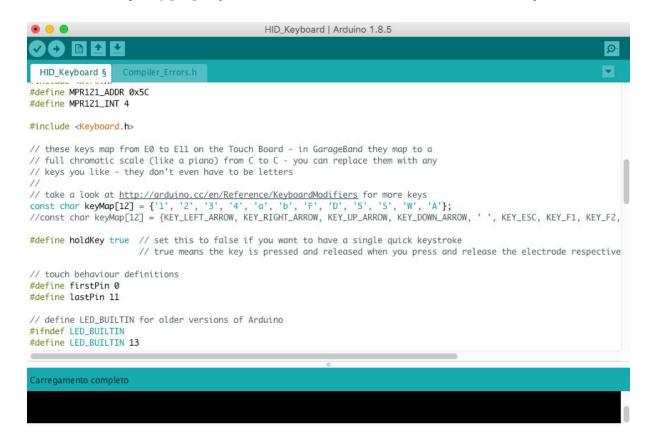
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9. Add to the sensores E0, E1, E2, E3 the keyboards 1, 2, 3 and 4. in the line as follow:

const char keyMap[12] = {'1', '2', '3', '4', 'a', 'b', 'F', 'D', '5', 'S', 'W', 'A'};



- 10. Continue to follow the step 7 as shown in the link:

 https://www.bareconductive.com/make/setting-up-arduino-with-your-tou-ch-board/
- 11. Then open the program made in Scratch by the Agrupamento de Escolas Dr. Carlos Pinto Ferreira, using the link:

https://scratch.mit.edu/projects/214740234/

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12. Print the Cards Images, and place then in to the interactive board.



Cards Images

HOBBIES







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SPORTS



JOBS



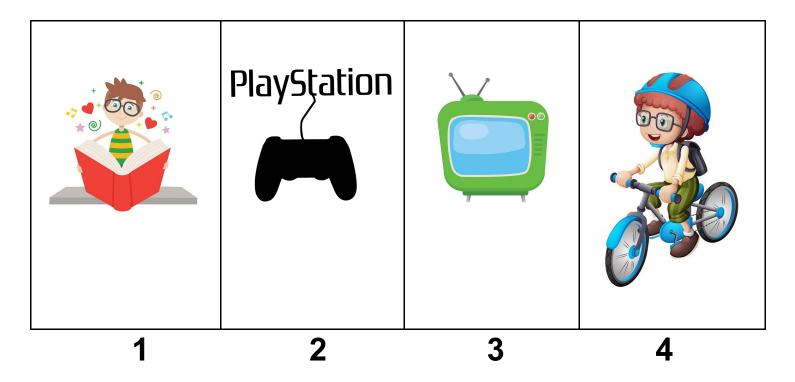
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C1/C2 Blended Mobility of School Learners 13. Distribute one Point Sheet for each group of students

Points Game Sheet - Sample

One sheet for each group

HOBBIES



Questions	Answer	Points (25 for each correct answer)
1		
2		
3		
4		
		Total Points:

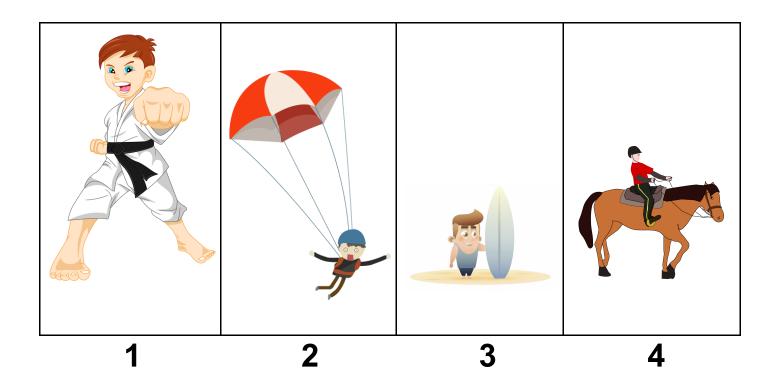
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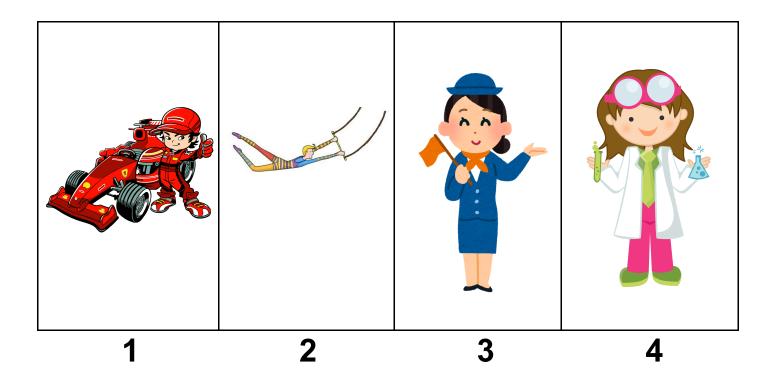
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Games developer by the team of the project Erasmus+ "Maths through Games" of the Agrupamento de Escolas Dr. Carlos Pinto Ferreira. 2017/2018

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