matatalab

Coding Like ABC

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6
5
4
2
1
3

Matata Flight Chess

Have you ever played the classic game - Flight Chess ?
We believe that even if you don't know how to play, people around you must have played it and can teach you.
Just try!

Game Setup

- Matatalab coding set or pro set ×1~4
- dice ×1 (paper craft)
- plane ×1~4 (LEGO)
- map
- box

Game Objective

- understand how the matatalab works and basic knowledges of programming
- experience the Computational Thinking
- develop comprehensive abilities during multiplayers competition
- develop AQ
- develop fine motor skill

Rules

Abstract: this game could be played as a single-player game or as a multiplayer game. Players should control the plane from their own start flying clockwise to their own destination.

Single player:

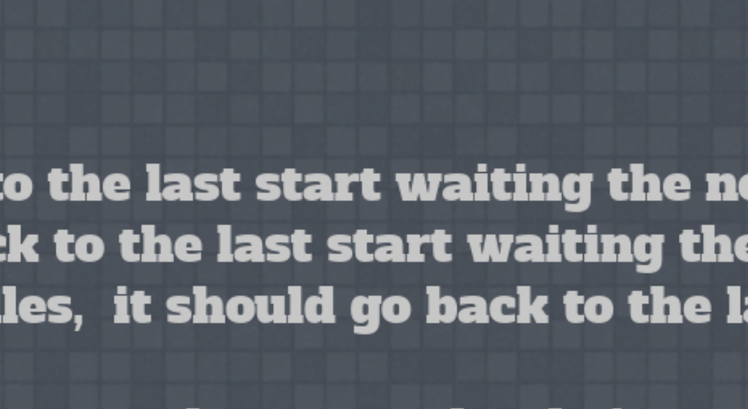
- choose your plane's color
- throw your dice until get a "6"
- move to the target grid according to the number you just threw
- if the grid's color which you just arrived is the same with your plane's color, you could directly move your plane to the next grid with the same color with your hands. Make sure to keep the same direction and only one time during each round

Multiplayer:

- put all players' coding blocks in the box (motion blocks and number blocks)
- play "paper , scissors, rock" to decide the order of taking out the blocks
- each time take out only two blocks from the box and if they can make your air line
- coding must be done in one minute
- players can keep the blocks being taken out and reuse them
- if the grid's color which you just arrived is the same with your plane's color, you could directly move your plane to the next grid with the same color with your hands. Make sure to keep the same direction and only one time during each round

Notes

- if matatabot go out of the map, it should go back to the last start waiting the next round
- if matatabot doesn't go clockwise, it should go back to the last start waiting the next round
- if matatabot doesn't go according to the dice or rules, it should go back to the last start waiting the next round
- we do have air crash in this game and if it does happen, the matatabot being crashed should go back to its start waiting the next round whereas the matatabot which crash others can take out blocks again and code

Our Wish

First of all, we want to say thanks to you for playing with matatalab as well as playing this game.
We hope that kids could have a chance to play some interesting games with their parents since those games are the childhood memories of parents and parents also want to share those games with their kids.