

Padlórobotok alsó tagozaton (Blue-Bot-tól az Edison-ig)

Tuboly Rita

Rábapatonai Petőfi Sándor Általános Iskola

2019. április 5.



BEE-BOT



BLUE-BOT



OZOBOT



EDISON

BEE-BOT / BLUE-BOT

40 lépés

www.menti.com

Kód:



200 lépés



BEE-BOT EMULATOR

<https://www.bee-bot.us/emu/beebot.html>

The screenshot displays the Bee-Bot Emulator interface. On the left, there is a control panel with the following elements:

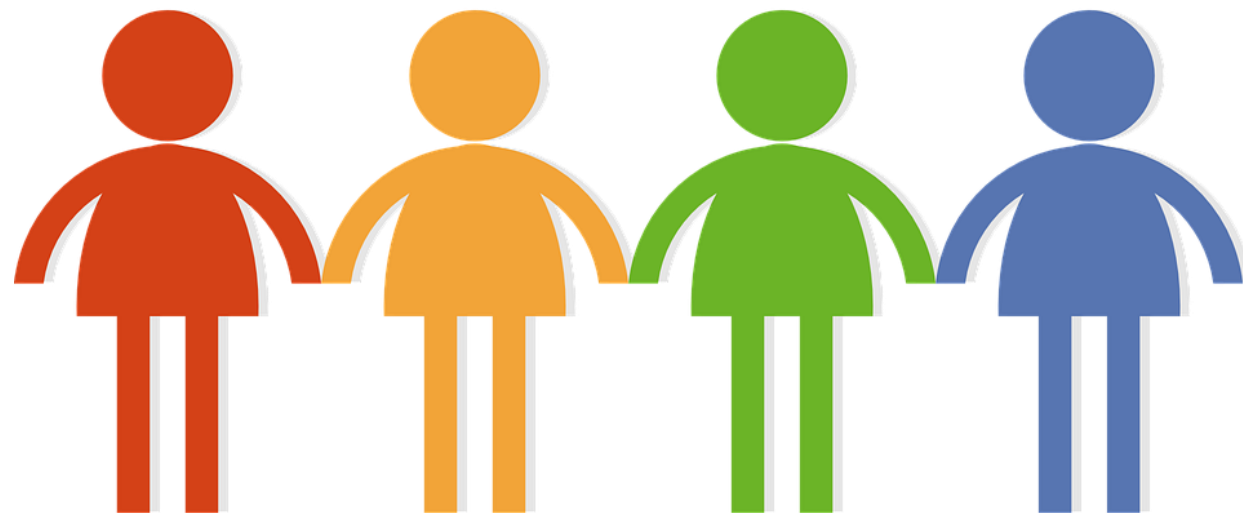
- Logo: Terrapin Tools for thinking
- Section: BEE-BOT EMULATOR
- Dropdown menu: Select your mat: Alphabet Mat
- Link: [Click here](#) for more information about the mat!
- Control buttons: Up arrow, Stop (red octagon with a sad face), Left arrow, GO (green circle), Right arrow, X (blue oval), Down arrow, and Pause (blue oval with two vertical bars).

On the right, there is a 6x5 grid of letters, each with a small illustration:

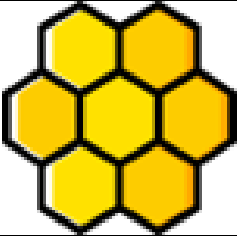
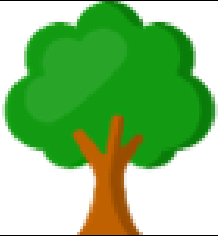



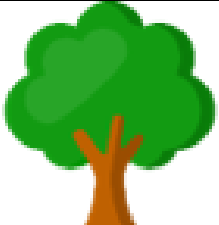


A a	B b	C c	D d	E e
F f	G g	H h	I i	Illustration of letters A, B, C
Illustration of letters A, B, C	J j	K k	L l	M m
N n	O o	P p	Illustration of blocks A, B, C	Q q
R r	S s	T t	U u	Illustration of a teacher at a blackboard
V v	W w	X x	Y y	Z z

CSOPORTALAKÍTÁS

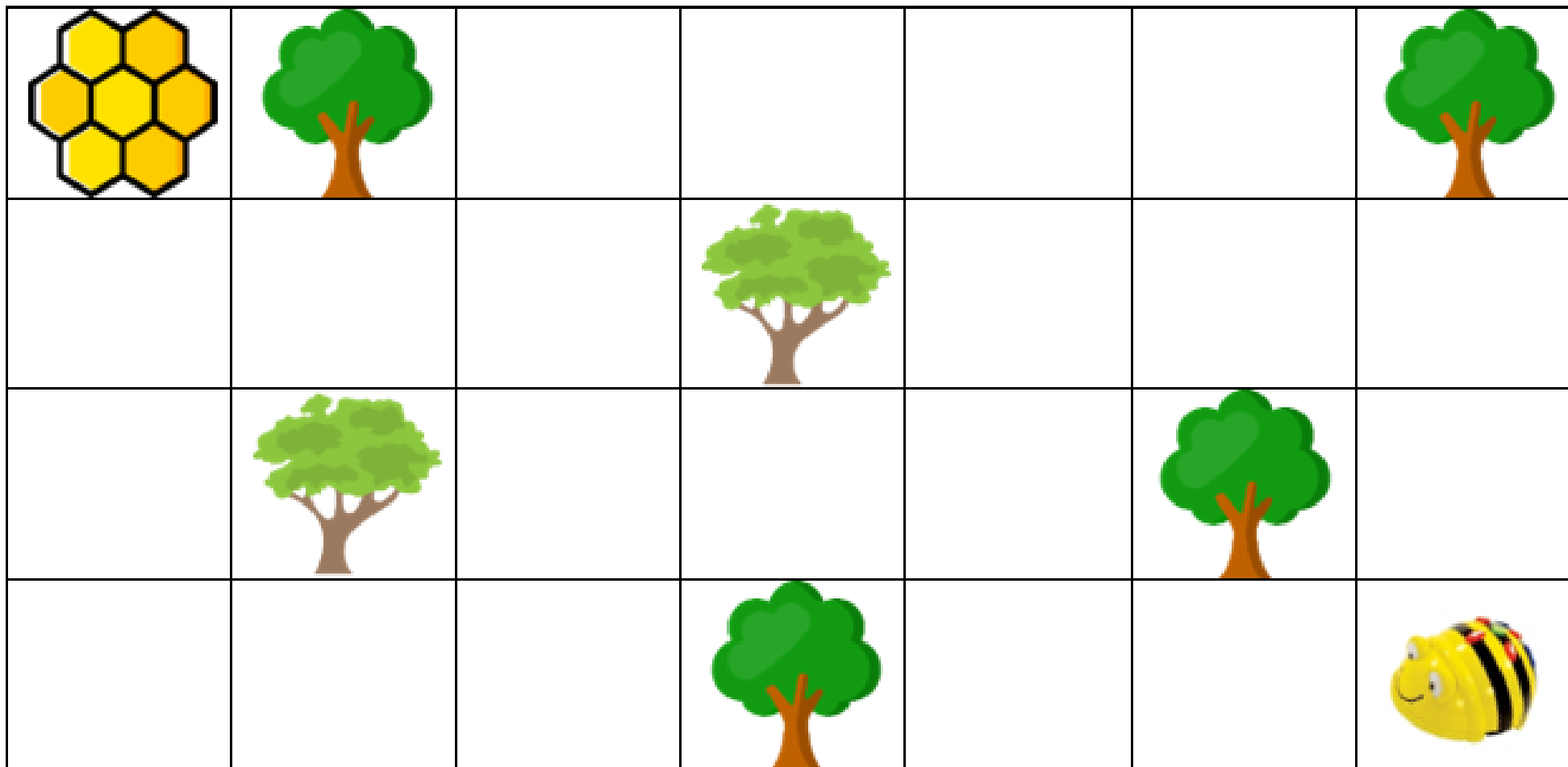
<https://tinyurl.com/yxahd6gj>



FELADAT

FELADAT



j e e j h h b e b e b e

FELADAT

- szavakat kirakni a betűkből
- számok növekvő sorban



BLUE-BOT



Blue-Bot

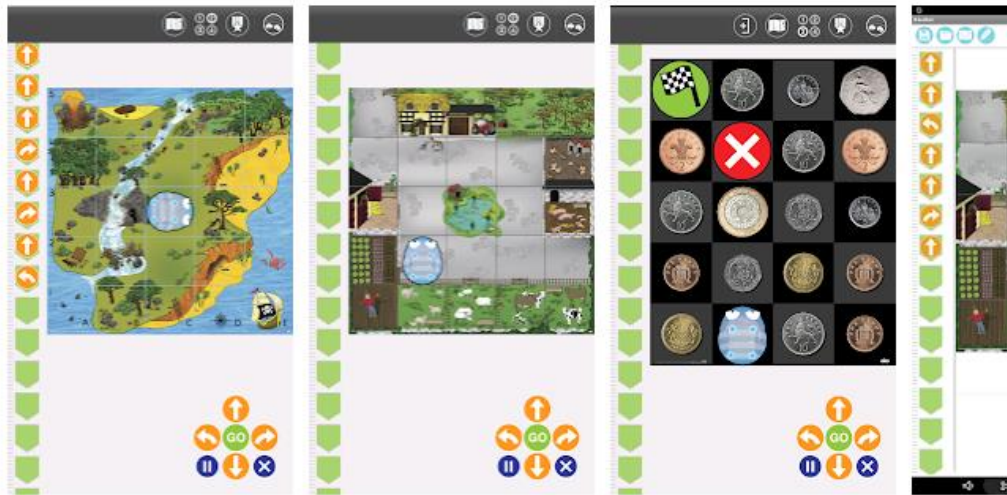
TTS Group Ltd Education Education

★★★★★ 183

PEGI 3 Ages 6-12

This app is compatible with all of your devices.

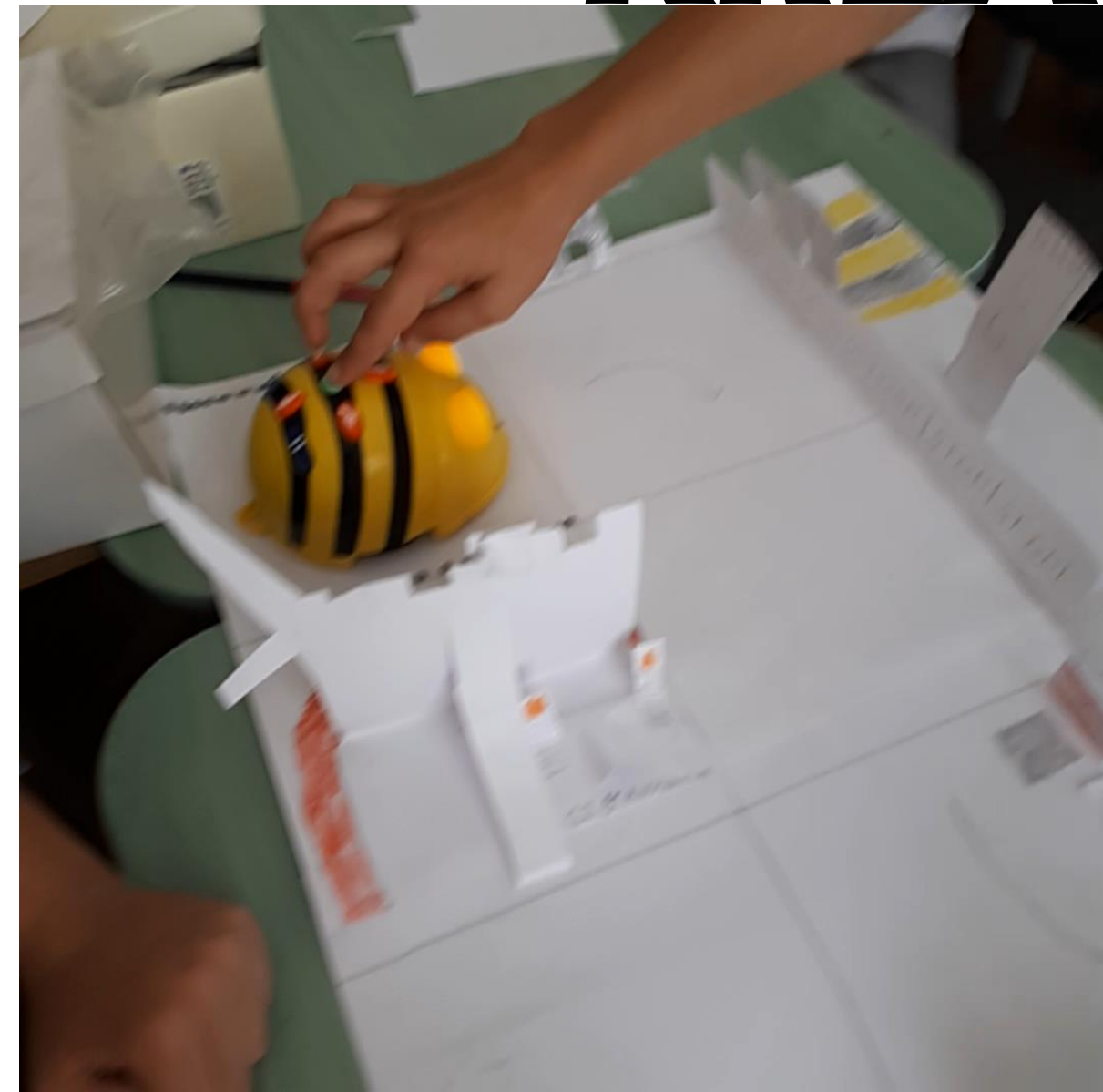
Installed



<https://tinyurl.com/y5ka7u8y>

Download the app to control Blue-Bot, the new addition to the TTS floor robot family. The app enables you to write an algorithm, send it and then Blue-Bot will follow your instructions. There are numerous features, which make writing algorithms both fun and educational.

KREATIVITÁS



BEE-BOT / BLUE-BOT

Tehetséggondozás – versenyek:

- <https://beebotverseny.hu/>
- <https://tanitobacsi.hu/bee-bot/>



ÖTLETEK

- <https://sniikt.wordpress.com/tartalomjegyzek/>
- <http://www.communication4all.co.uk/http/beebot.htm>
- **Robotcsámborgás**



OZOBOT

Csoportalakítás:

<https://tinyurl.com/yxahd6gj>

Mire használható?

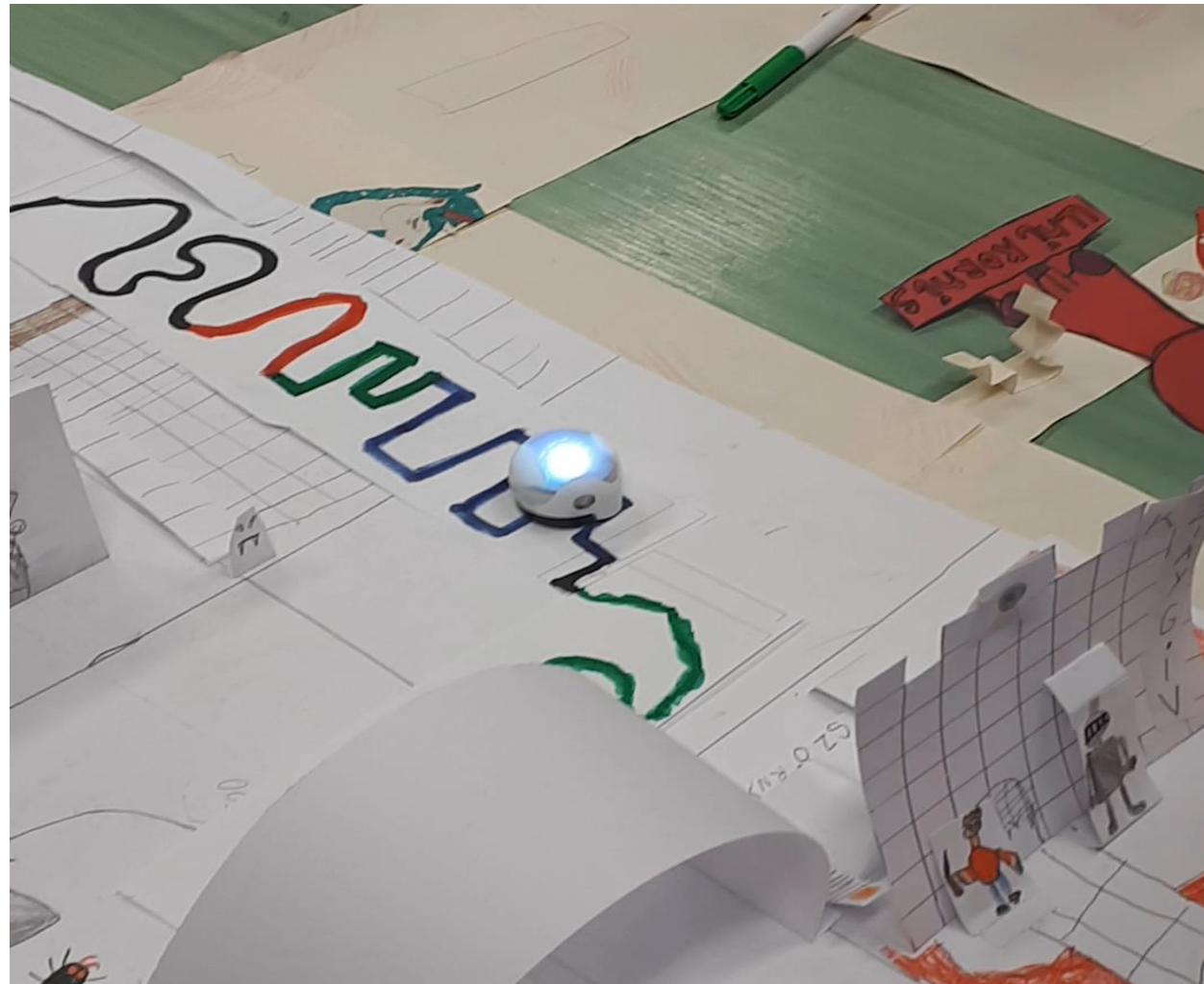


OZOBOT

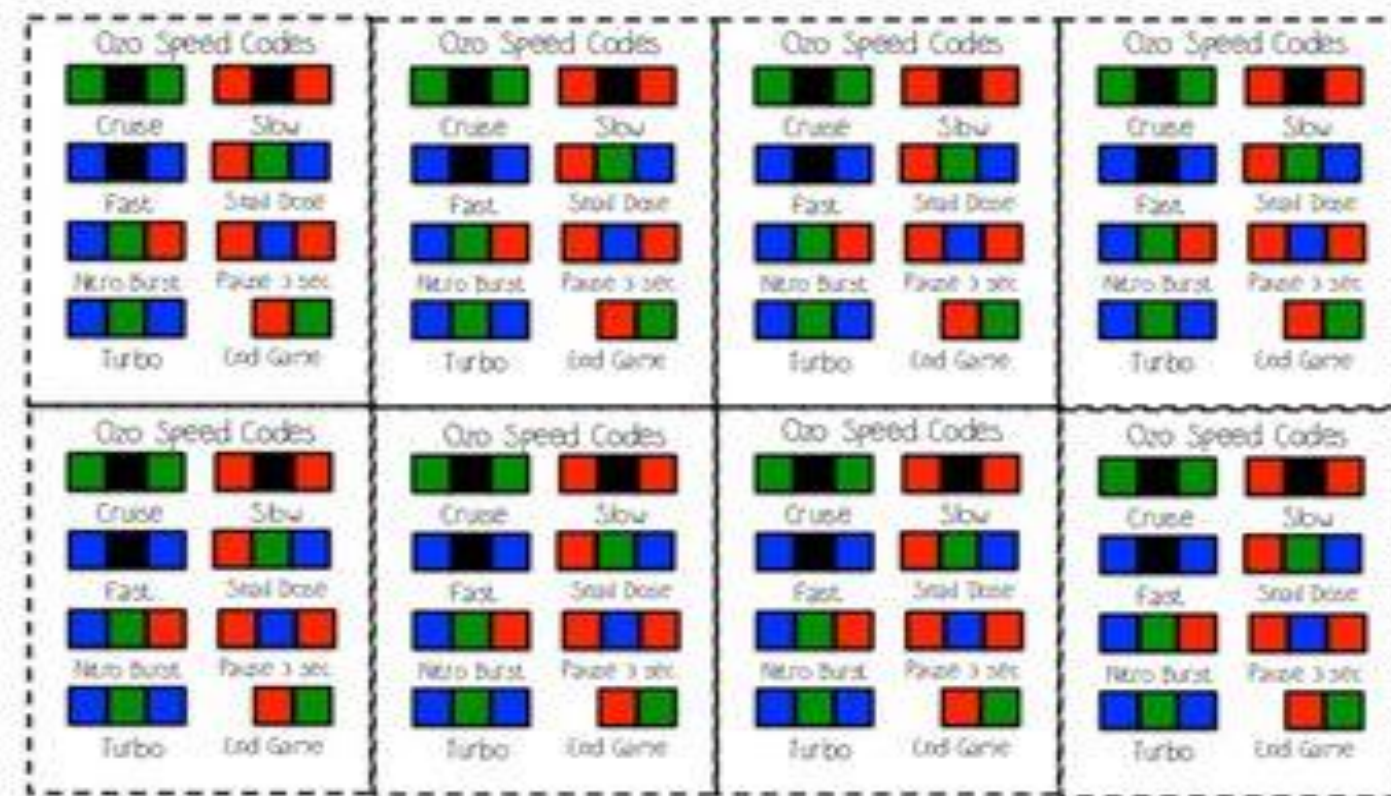
- színes tollakkal ház rajzolása
- alakzatok rajzolása különböző színekkel



OZOBOT



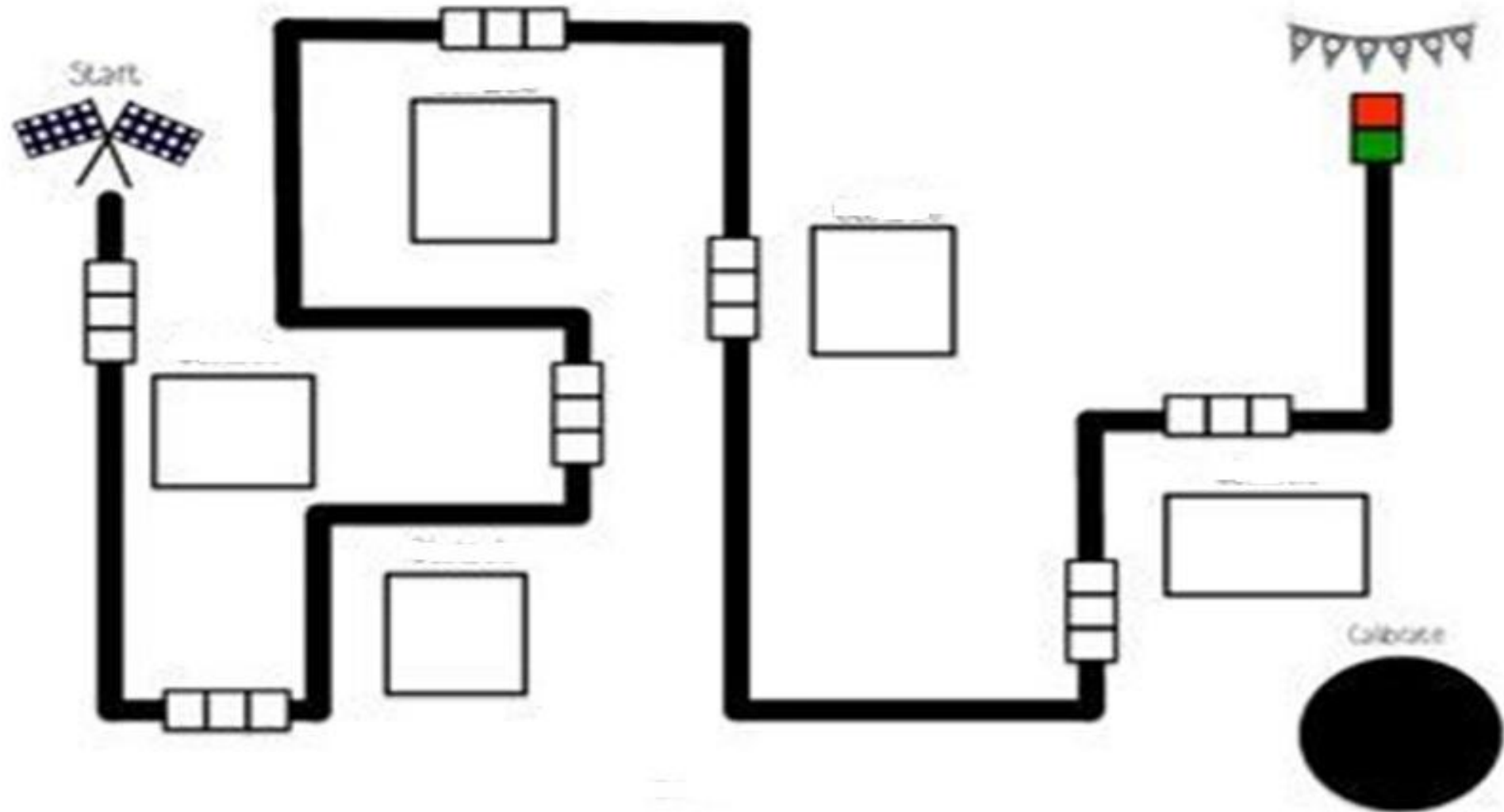
OZOBOT SZÍNKÓDOK



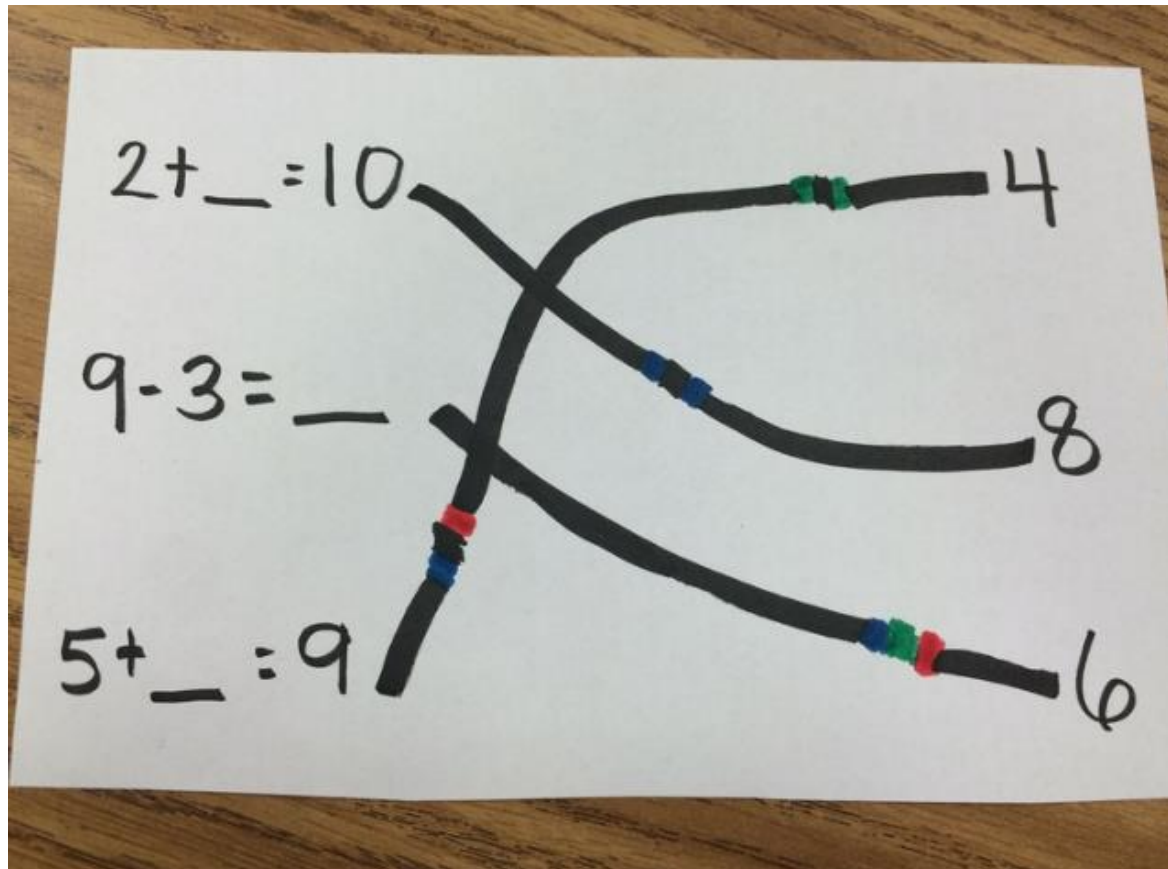
© Ozobot, 2019

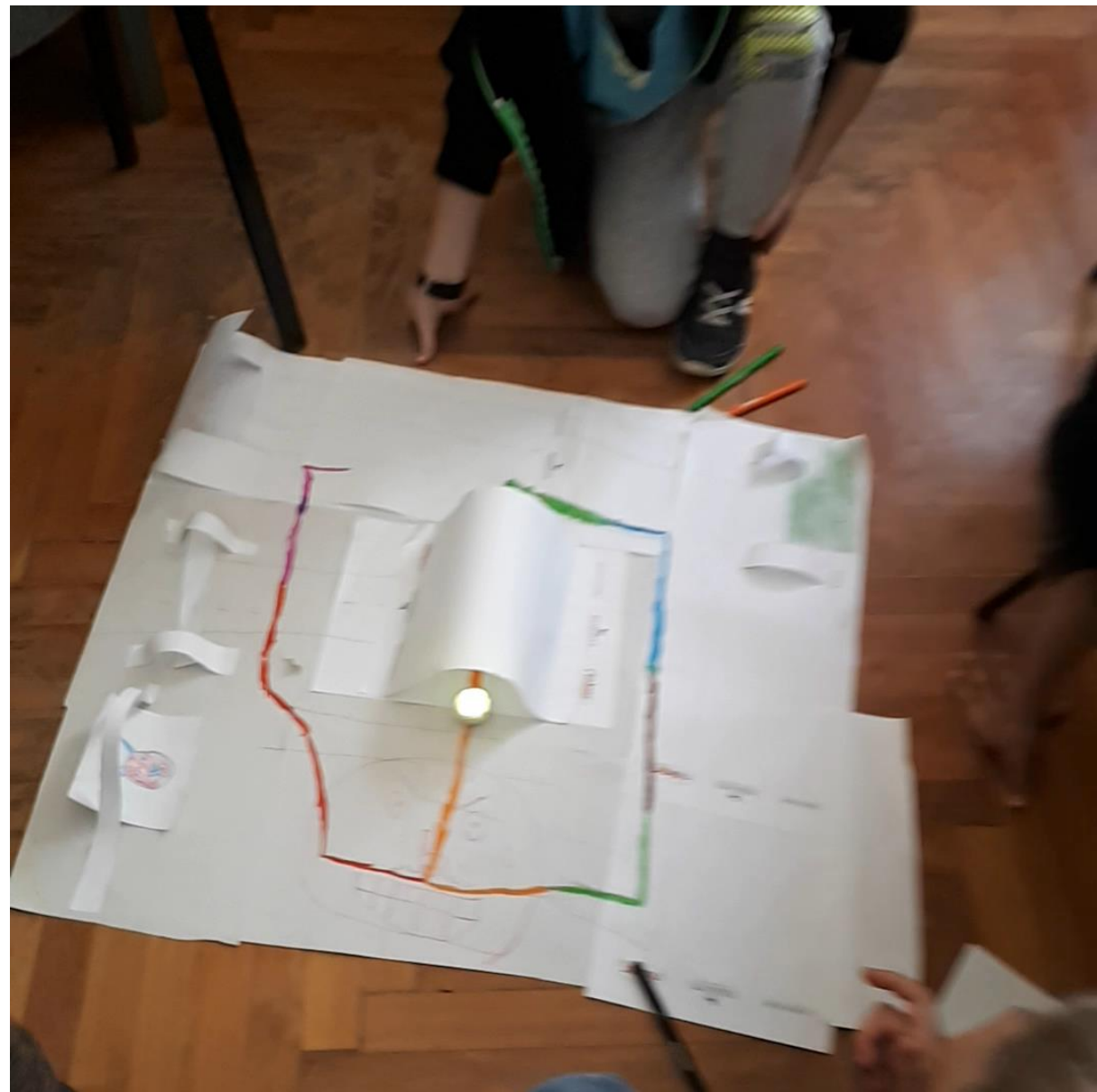
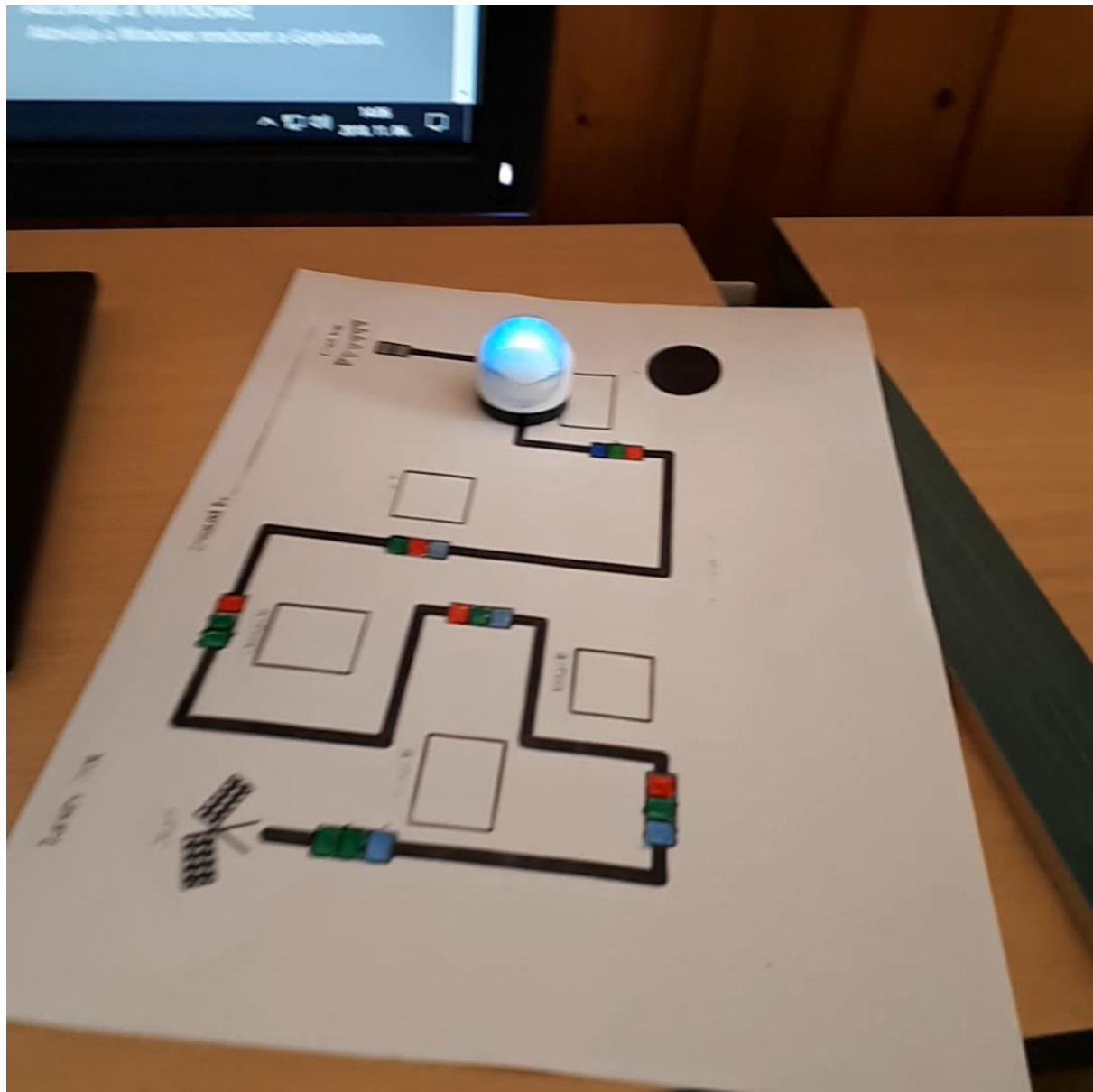
<https://files.ozobot.com/stem-education/ozobot-ozocodes-reference.pdf>

SZÖVEGALKOTÁS



MATEMATIKA





PROGRAMOZÁS

ozoblockly.com

The screenshot displays the OzoBlockly programming environment. On the left, a menu lists various block categories: 'Movement' (highlighted in yellow), 'Light Effects', and 'Wait'. Below the menu, there is a 'LOAD YOUR bit' button and a 'FLASHING' indicator. The main workspace on the right is titled 'Movement' and contains a grid of yellow blocks. The top row of the grid shows four blocks with right-pointing arrows labeled '1', '2', '5', and '10'. The second row shows four blocks with left-pointing arrows labeled '1', '2', '5', and '10'. The third row contains three blocks with circular arrows indicating clockwise rotation. The fourth row contains three blocks with circular arrows indicating counter-clockwise rotation. The fifth row features two blocks with wavy lines and two blocks with spiral arrows. The bottom row contains four blocks with circular arrows, some indicating a full rotation.

OZOBOT OKOSESZKÖZÖN

<https://tinyurl.com/jvp7ea4>



Ozobot

Evolve, Inc. Alkalmi

★★★★★ 81

PEGI 3

Az alkalmazás kompatibilis néhány eszközöddel.

Telepítve



ÖTLETEK

<http://qqcska.blogspot.hu/cimke/ozobot>

<http://teachwithashley.com/blog/2016/6/5/5-ideas-for-implementing-ozobots>

<http://www.zamiastkserowki.edu.pl/2017/03/ozoboty-i-kosci-opowiesci.html>



EDISON

Asszociáció:

**Mi az első szó, ami eszetekbe jut
erről a robotról?**



EDISON

Asszociáció:

**Mi az első szó, ami eszetekbe jut
erről a robotról?**



EDISON IRÁNYÍTÁSA

Vonalkódok beolvasása:

távirányító

taps

fénykövetés

vonalkövetés

vonalkerülés



EDBLOCKS

The screenshot displays the EDBLOCKS software interface. At the top, there is an orange header bar with a 'Menu' dropdown and a 'Save' button. Below this is a navigation bar with five tabs: 'Drive', 'Outputs', 'Wait Until', 'Control', and 'Start Events'. The 'Drive' tab is currently selected. Underneath the navigation bar, there are four blue blocks, each containing an orange robot icon and a white circle with the number '1'. The first block has an upward-pointing arrow, the second has a downward-pointing arrow, the third has a leftward-pointing arrow, and the fourth has a rightward-pointing arrow. Below these blocks is a large yellow play button with a green triangle in the center.

FELADATOK

helyesírás gyakorlása

matematika:

sorozatok

műveletek

mérés

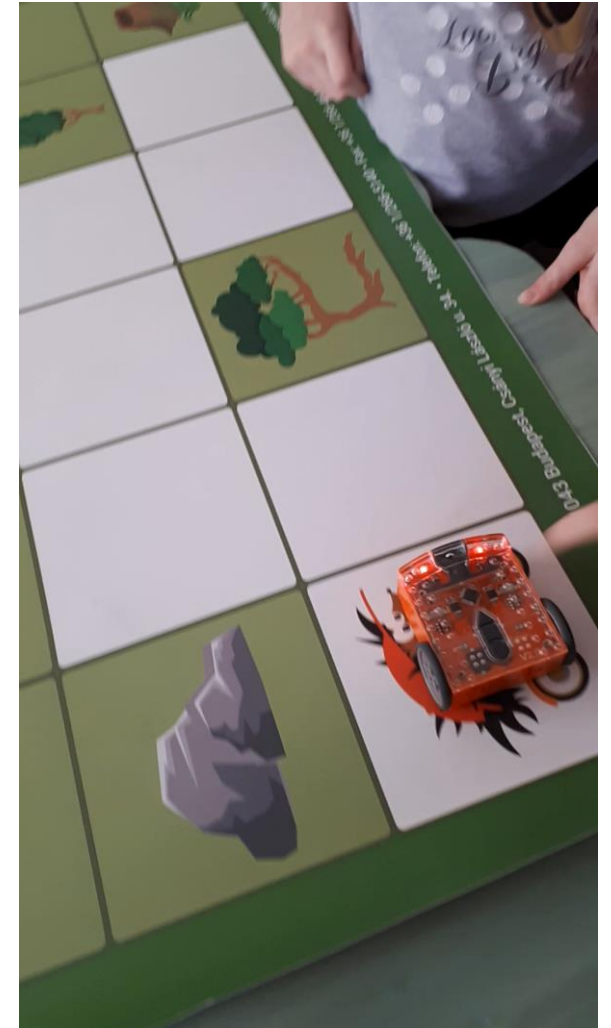
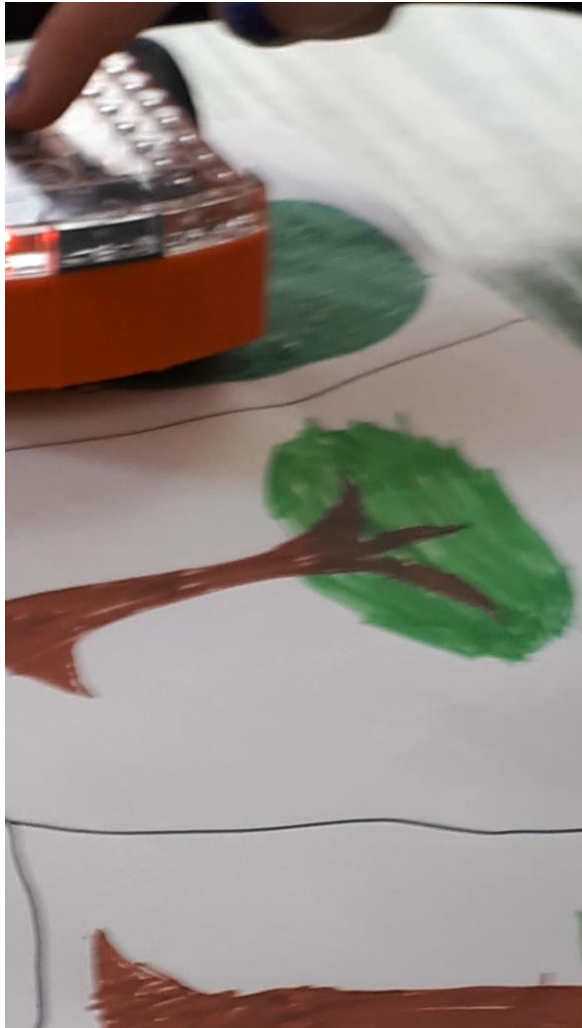


EDSERATCH

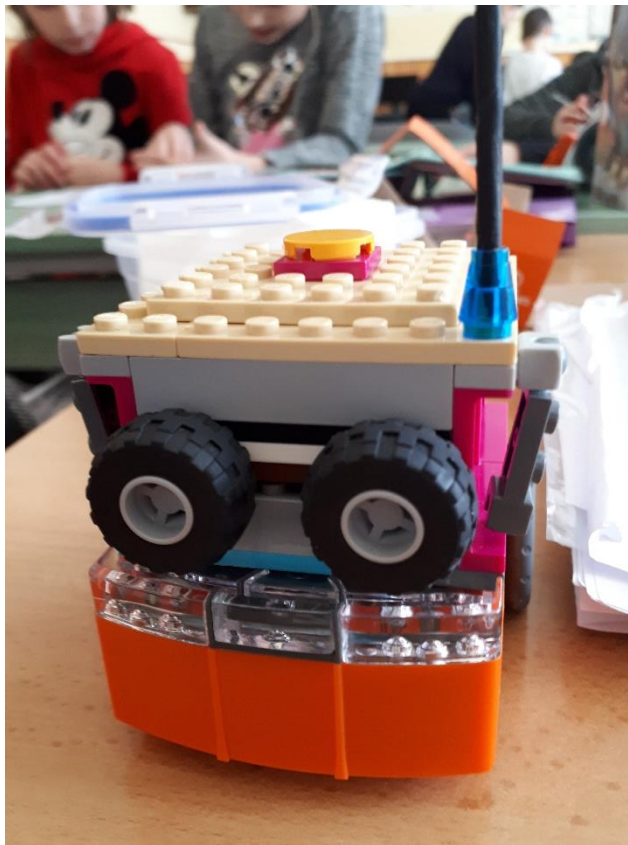
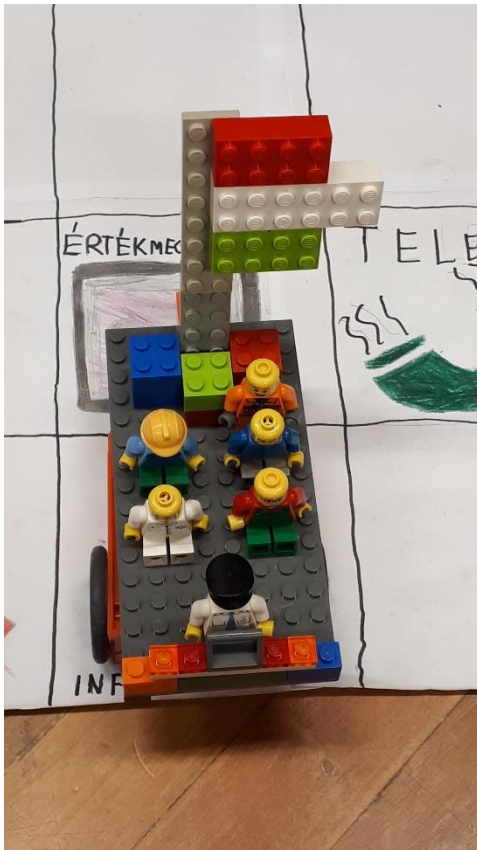
pontosabb programozás

The screenshot displays the EDSERATCH programming environment. At the top, there is an orange header bar with a 'Menu' icon and a 'Save' button. Below the header, a category palette lists various functions: Drive (blue), LEDs (purple), Sound (pink), Data (orange), Events (yellow), Control (orange), Sensing (light blue), Operators (green), and Comment (pink). The main workspace contains a vertical stack of blue blocks. The sequence starts with a yellow 'Start' block. The first block is 'forwards for 1 cm at speed 5'. The second is 'backwards for 1 cm at speed 5'. The third is 'spin left for 1 degrees at speed 5'. The fourth is 'spin right for 1 degrees at speed 5'. The fifth is 'forwards until' with a diamond-shaped sensor icon and 'at speed 5'. The sixth is 'backwards until' with a diamond-shaped sensor icon and 'at speed 5'. The seventh is 'spin left until' with a diamond-shaped sensor icon and 'at speed 5'. The eighth is 'spin right until' with a diamond-shaped sensor icon and 'at speed 5'.

EDSCRATCH



KREATÍVJÁTÁS



ÖTLETEK

<http://rita-e-learning.blogspot.com/2019/01/kalandok-edison-robottal.html>

<http://www.meetedison.hu/>

Edison futam



EGYÉB ROBOTOK

Clementoni



mBotRanger



Jimu

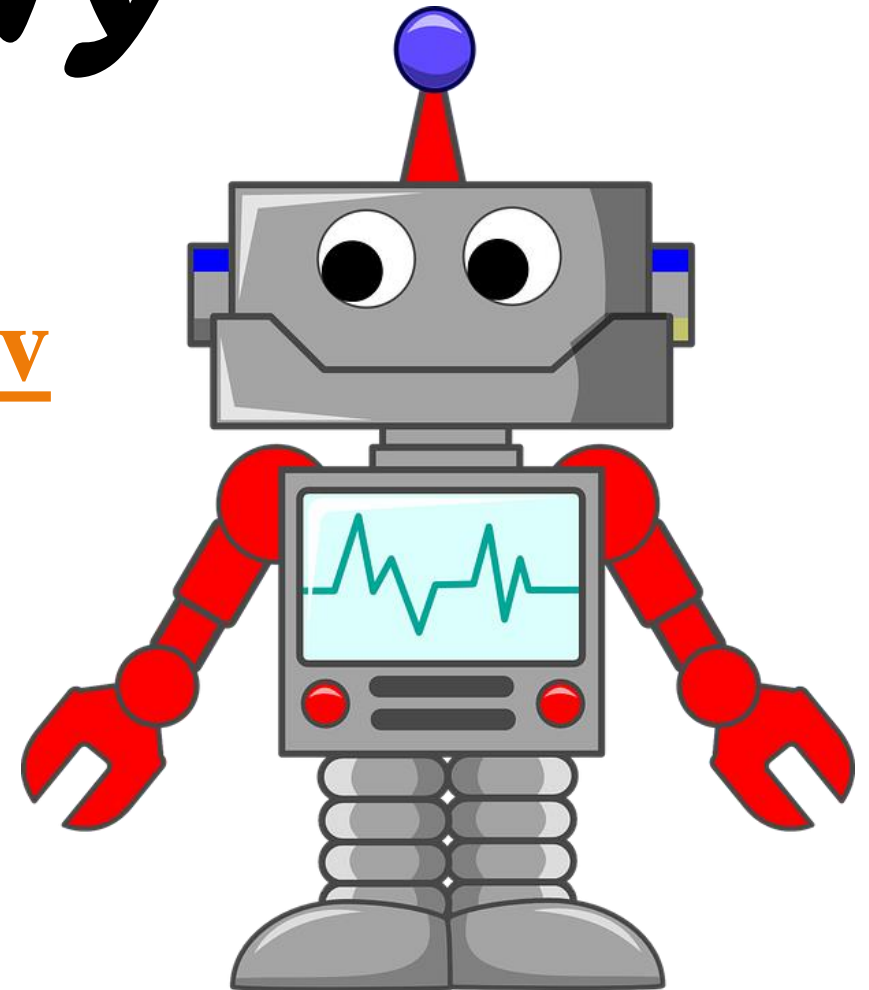


VÉLEMÉNY

<https://tinyurl.com/yx92mygv>

Eredmény:

<https://linkto.run/r/4Z2X5DLC>



Köszönöm a figyelmet!

