

## **CODING CARDS**



#### Creative coding for teachers, homeschoolers, educators and parents

## Make a dancing butterfly

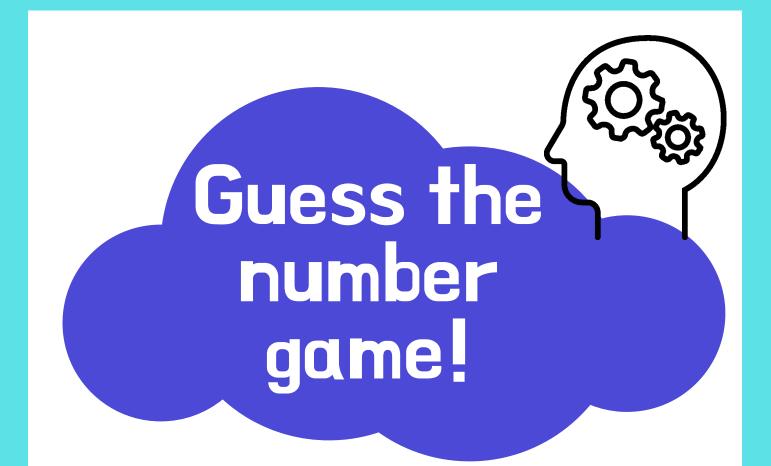
Make a fluttering and dancing butterfly that changes color

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Use paint tool to make art and motion animation

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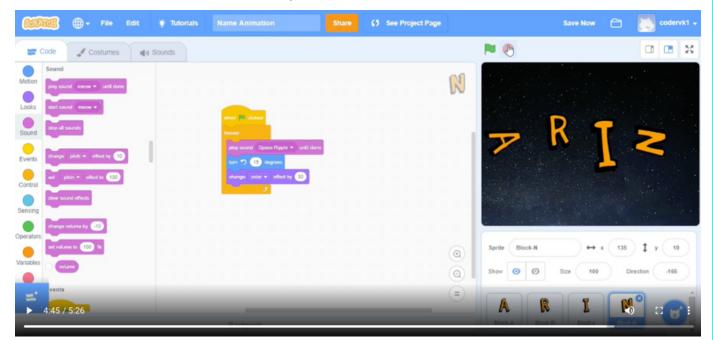


Create a game of logic and probability

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Variaties 5:34 / 5:59	e en	Image: Sprite Dinosaur4     Image: Show Image: Sh	↔ x 85 ‡ y 1 Size 100 Direction 90

## Make your densis name name animation

Animate the letters of your name, initials, or favorite word.



## Create an animated story

Create your favorite characters, scene and story. Animate it!

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## Create a game of tac

Using a cat and mouse, create a game of chase!

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Operators	ext costume	move 7 steps				
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<b>2</b>	et size to 100 %		=	· · · · · · · · · · · · · · · · · · ·		Backdrops 3
- E	×    ✓ 2:59	Backpack		Cat 2 Mouse 1		
► 02:11						0222 <b>1</b> 8) 🕻

# <image>

Using musical instruments, create a band and play music!

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🛫 Code 🦪 Costumes 🌒 Sounds		<b>N 0</b>	
Looks		-	120 000
say Hello! for 2 seconds			
und			
think Hmm for 2 seconds	next costume		
think Hmm	play sound hihat cymbal + until done		
ing switch costume to drum-highhat-b +	next costume		$\sim$
next costume			
bles switch backdrop to Theater -			000000000000
next backdrop		Sprite Drum-highhat $\leftrightarrow$ x 101	1 y -105 Sta
			Direction 90
change size by 10		Q Show 0 10 Size 100	Backd
set size to 100 %			2
E1 ×    ✓ 1:43	Backpack	Drum Kit Drum-Nigh Keyboard	

## Make a dance animation

Create a fun dance party with 2 characters or more

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Motion	broadcast message1 -													r			
Looks	broadcast message1 -	and wait			Pi ele	ked								1			
Sound	Control			tores	er t costum												•
Events	wait 1 seconds				0.25		ds								0		
Control	repeat 10					و											
Sensing	,																
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														Q	Show 🧿 Ø Size 75 Director	90	
=	if then																Backdrops 2
		2:21		Backpac	k			-	-	-	 -	-	-		Cassy Da		C

## Build a dodge ballgame!

Code a game where the sprite has to dodge balls falling from the sky

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Motion Looks	Control		
Sound Events	report 10	uten per choken and Lives = to S	G ME OVER
Control	5 Contraction (1997)	set x to pick random (*240) to (240) set y to (175) set ((275) seconds	
Operators Variables		torever thomps y by -10 t yposition < -10 then	
My Blocks		red x to pick random _240 to 240	Sprife       Beachhalt3       ↔ x       -144       ‡ y       -105       Stage         Show       Ø       Ø       Size       75       Direction       90
		K Couching Gign Walking - 7 then chance Lines - by (-1) Backpack	Gga Wali Bescheit

## Make a game of galactic blaster

Code a rocket ship shooting lasers to blast floating rocks out of the way!

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Motion	Motion		1
Looks	move 10 steps	when I stad as a close	
•	tum (* 15) degrees	show go to x: 201 y [pick random 130 to -130]	
Sound	tum 😙 15 degrees	create clone of myself - Preport until Exacting Rocketship • 7	
Events		en e	
Control	go to random position +	Note go to z 201 Networking dige - 7 Peer	
Sensing	go to x: 201 y: -83		
Operators	glide 1 secs to random position •		
Variables	glide 1 secs to x: 201 y83		
•			
My Blocks	point in direction 90	O Sprite Rocks ↔ x 201 ‡ y -43	
	point towards mouse-pointer +	O       Show       Ø       Ø       Size       45       Directon       90	
=	change x by 10	Rocketship Laser Gene Over	
C.	±1 × II V 0:55	Backpack	

