Categories		CodeMove PT	Run Marco (All Can Code)	Bee-Bot Emulator	Blockly Games	Cargo-Bot	Code for Life Rapid Router	Code Monkey	Code Studio	Coding With Chrome	Kodu	Lego Bits and Bricks	Lightbot	app inventor	micro:bit	Kodular	Thunkable	mBlock	Code Combat	Scratch	ScratchJr	The FooS	Tynker Hour of Code	Alice	Tynker IDE	Pencil Code	Snap!
Programming Aspects																											
Programming (typology)	Blocks	X	X			X			X		X	X	X	X		X	X			X	X	X					X
	Lines of code			X				X											X								
	Both				X	X				X					X			X					X	X	X	X	
	Translate blocks to text				X	X				X					X			X					X	X	X	X	
Language	Symbolic		X	X		X			X		X	X	X			X	X			X	X	X					X
	Text	X			X			X		X						X	X								X		
	Both					X									X									X	X	X	
Programming structures	Arithmetic operators		X		X	X	X	X	X			X	X	X	X	X	X	X	X	X				X	X	X	X
	Relational and logic operators		X		X	X	X	X	X	X			X	X	X	X	X	X	X	X				X	X	X	X
	Variables and constants		X		X	X	X	X	X			X	X	X	X	X	X	X	X	X				X	X		
	Decisions structures	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				X	X	X	X
	Repetitions structures (Loops)	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X		X	X
	Functions				X		X	X	X					X		X	X	X	X					X	X	X	X
Type of processing	Sequencial	X	X	X	X	X	X	X	X	X	X	X	X	X								X			X	X	
	Parallel																			X	X						X
	Both															X	X	X	X						X		
User can evolve in programming skills	Weak	X																						X			
	Reasonable		X	X		X	X				X	X	X	X	X					X					X	X	
	Good				X			X	X	X						X	X	X	X	X					X	X	
Requirements																											
Requires continuous internet connection			X	X	X	X	X	X	X	X		X	X		X		X		X	X	X	X			X	X	
Requires Login or Classroom Code for younger children	Login (L) Classroom Code (C)							L or C								L	L										
Operating system	Browser	X	X	X	X		X	X	X			X		X		X			X	X				X	X	X	X
	Windows									X	X					X		X	X	X			X		X		
	IOS		X			X				X		X	X		X		X	X		X	X			X			X
	Android		X							X		X	X	X	X	X	X	X		X	X						X
	MAC																			X	X			X			
Equipment's	Computers	X	X	X	X		X	X	X	X	X	X		X		X	X	X	X	X	X	X	X	X	X	X	X
	Tablets	X	X	X	X	X	X	X	X			X		X	X	X	X	X		X	X	X			X	X	X
	Smartphones	X	X		X			X	X					X	X	X	X	X		X	X	X			X		X
Available in Portuguese (PT, BR)		X	X	X	X				X					X		X		X	X	X	X	X		X			X
Available in English			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Price	Free	X	X	X	X	X	X		X	X	X	X		X	X	X		X	X	X	X			X	X	X	X
	Partially free							X						X				X						X			
	Paid																					X					

Category	Attribute	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
	Minimum amount at publication date in $USD Total (T) or per Month (M)						4 (M)				2.69 (T)	15 only board		20 (M)						7.99 (M)	10 (M)		
User Interaction																							
Environment stimulating for children	Weak												X										
	Reasonable	X	X	X	X	X	X	X			X	X	X							X		X	X
	Good								X	X				X	X	X	X	X	X		X	X	
Activities (typology)	Pre-defined	X	X	X	X	X		X	X		X	X	X		X					X	X		
	Open												X	X						X		X	
	Both						X		X					X	X	X	X	X				X	X
Scenarios	Do not permit	X											X								X		
	Only one				X		X			X		X											
	Multiple		X	X	X				X		X	X		X		X	X	X	X	X	X	X	X
	Creation of a new ones					X			X					X	X	X	X	X	X			X	X
Multimedia	Audio								X		X			X	X		X	X	X	X			X
	Image								X		X			X	X		X	X	X	X	X		X
	Video										X			X	X		X	X		X			X
	Pre-defined by the software		X	X	X	X	X	X	X		X	X	X			X		X		X			X
Actors/Sprites	Only one	X		X		X					X	X								X			X
	Multiples		X		X		X	X	X					X			X	X	X	X			X
	Creation of a new sprites									X				X	X	X	X	X					X
	Actors pre-defined by the application														X				X				
Programming Actors/Sprites	One		X	X	X	X			X		X	X								X		X	X
	Two or more	X						X		X				X	X	X	X	X	X	X			X
	Not applicable												X										
Create drawings					X			X	X	X				X	X	X	X	X	X	X	X	X	X
User can enter data							X	X	X	X				X	X	X	X	X	X	X	X		X
Programming Tangible Objects																							
Programming robots				X							X				X	X		X				X	
Programming Drones																X						X	
Programming for Mobile Devices													X		X	X							
Pedagogical Adequacy																							
Age/ school grade suitability	Preschool			X					X		X	X								X		X	
	K1- K4	X	X	X			X		X		X	X	X			X	X	X	X	X		X	X
	K5 - K6	X	X		X		X	X	X		X			X	X		X	X		X	X	X	X
	K7- K9	X	X		X	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X
	K10 - K12						X		X	X				X	X	X	X		X	X			X
Adequate to articulate with other curricular domains	**Preschool**																						
	Area of Society and Citizenship			X					X											X	X	X	X
	Area of Expression and Communication								X											X	X		X
	- Motor abilities											X								X	X		X
	- Artistic abilities								X											X	X	X	X
	- Oral and Written abilities			X					X											X		X	
	- Mathematical abilities			X					X		X									X		X	

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	Areas of Knowledge			X					X														X	X		X
	K1 - k12																									
	Mathematics	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X			X	X	X	X
	Language			X					X				X		X	X		X	X					X		X
	English	X	X	X			X	X		X		X	X	X	X	X		X	X		X		X	X	X	X
	Sciences, History, Geography, etc.			X	X				X					X	X	X	X			X	X	X				X
	Arts and Physical Education	X					X	X	X	X	X			X	X	X				X	X	X	X			X
	Society and Citizenship		X	X										X	X			X	X			X				X
Tools for the teacher	Create groups					X	X		X							X	X			X						
	Monitoring activities					X	X							X		X	X			X			X			
	Share with others						X			X					X		X					X	X	X		
	Tutorials, Lesson Plans					X	X	X	X			X			X	X	X	X	X	X		X	X	X	X	X