

# BYOB programming and Kinect

Ami

## What is BYOB?

Build Your Own Blocks  
Based on Scratch  
Developed by UC Berkeley  
Education  
(The beauty and Joy  
of Computing)

## Advantages

Easy to build  
(just drag the blocks)

Cute sprites  
Sound  
Stage/ Virtual

## User Interface

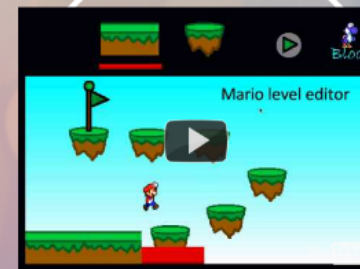
Left: Blocks Palette

Middle: Scripts Area +  
Selected Sprite

Upper Right: Stage Area  
Lower Right: Sprites Thumbnails



## Sample Game!



## Programming!

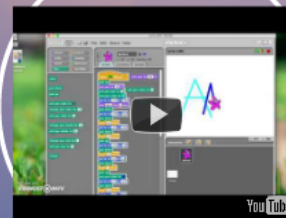
Select your Sprite :)

Drag blocks (write scripts)

Click Flag! See the result!



## Programming!



Thank you!!!

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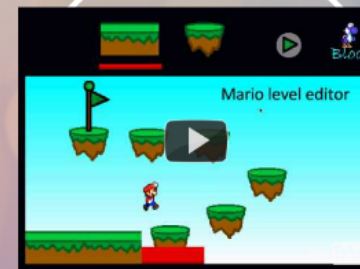
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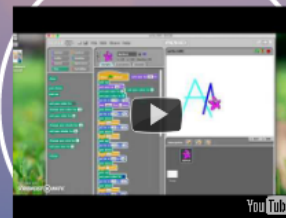
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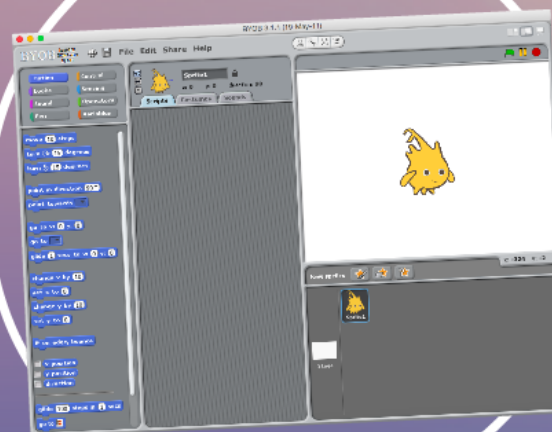
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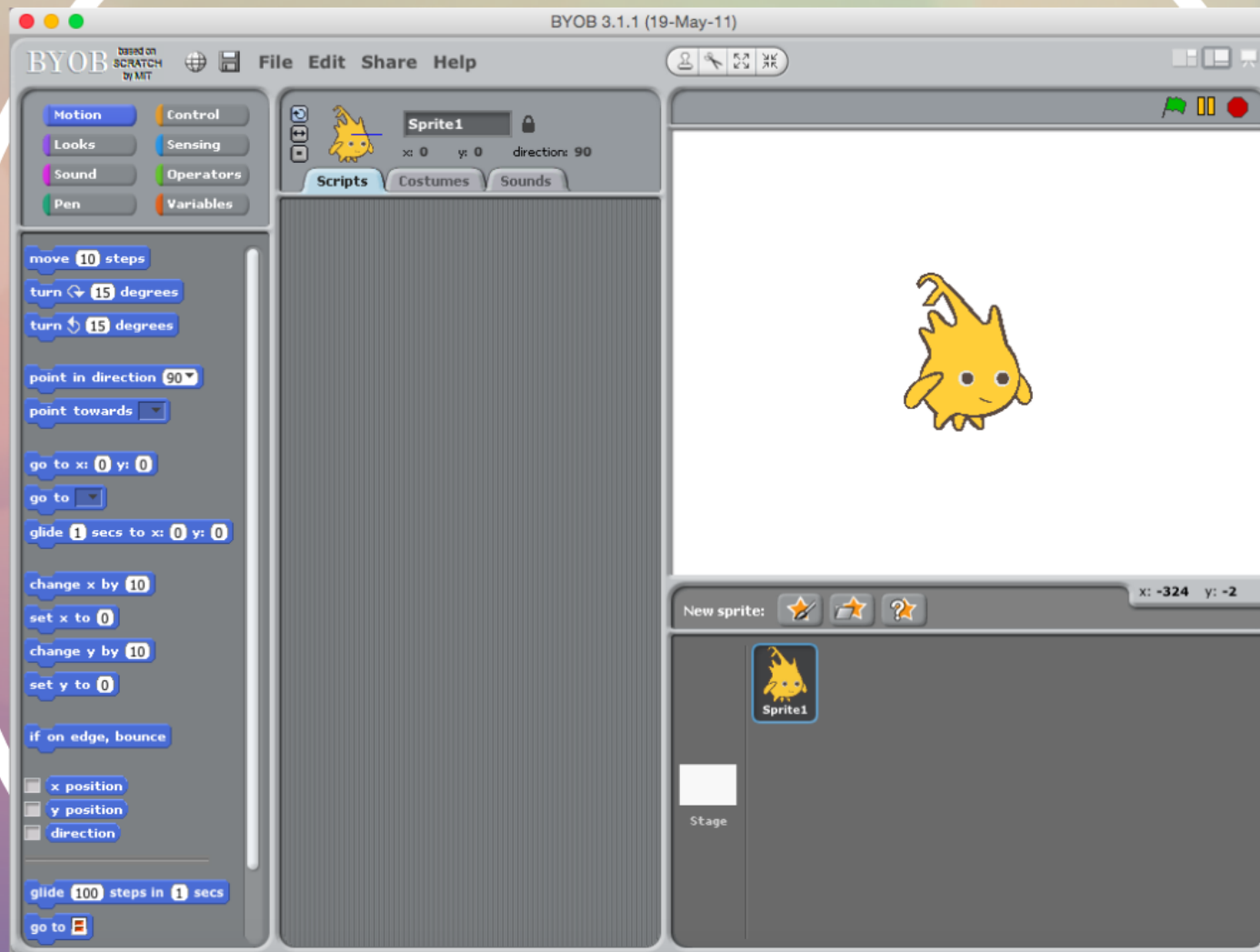
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# !Snap



# Programming!

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Features (1)

Category	Notes
Control	If statements, events, and loop structures
Sensing	All sprite hit detection and user input
Operators	Mathematical and Boolean operators.
Variables	Variables and lists, including lists of lists

Features (2)

Category	Notes
Motion	Moves sprites and changes angles
Looks	Controls visibility, costumes, and output
Sound	Plays audio files and programmable sequenced audio
Pen	Allows for turtle graphics

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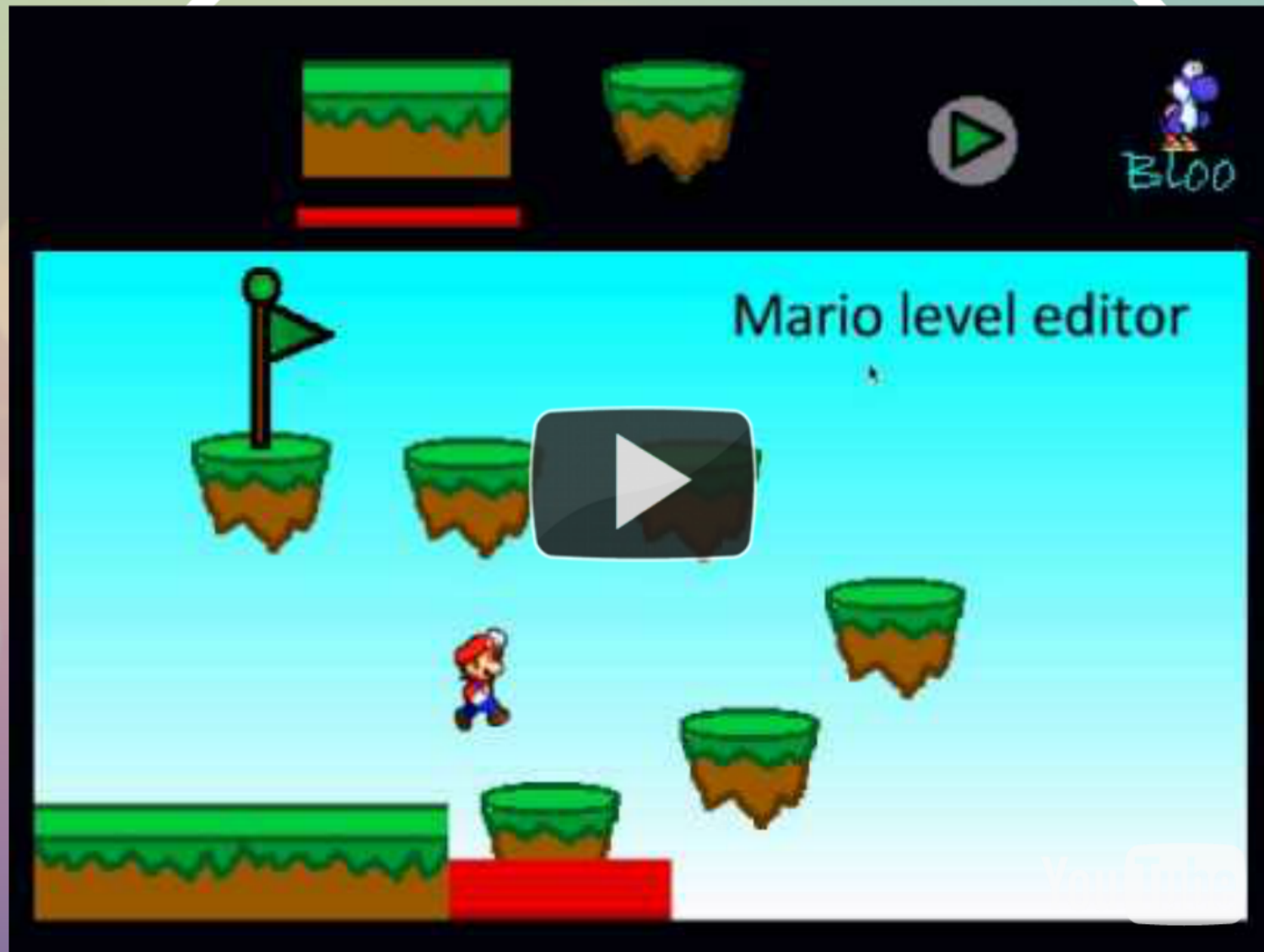
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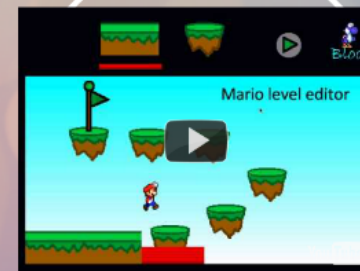
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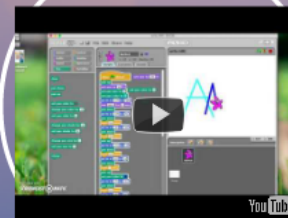
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