Teddywaddy Code Club

Activity 1f

Taco game



https://scratch.mit.edu/projects/587733323

Taco game

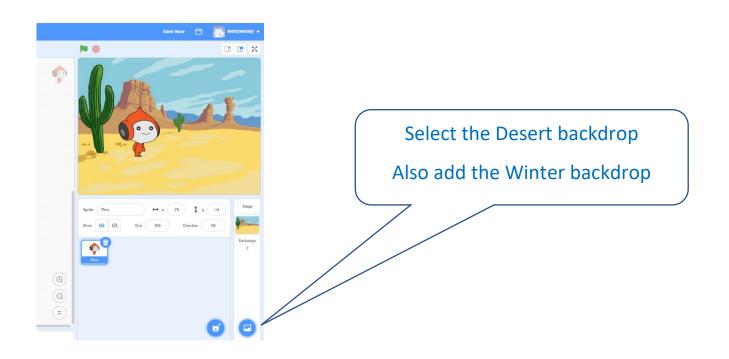
When you open the scratch project it has a character already chosen (Pico), but you can change that to any character you like.

How to change character

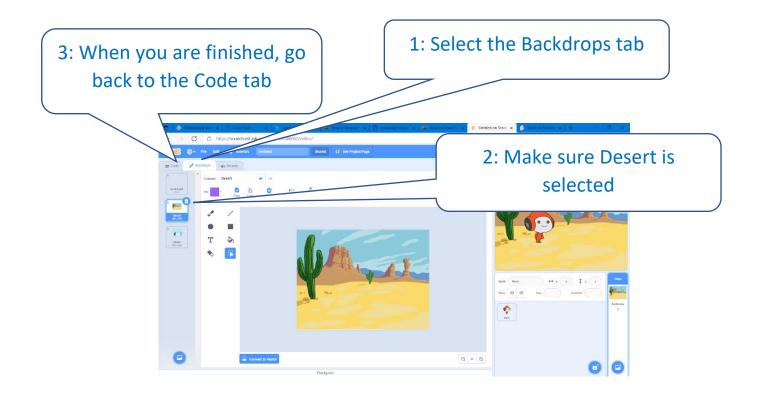
🔲 📔 🧿 Teddywaddy West We 🗙 🖹 🗅 Code Club 🛛 🗙 🗼	javascript fractal - Sea 🗙 📔 🌉 How to Generate Mar 🗙 📔 🖞 Javascript	tutorial - Mil 🗙 📔 🗃 How to Create Fractal 🗙	8 Untitled on Scratch	× + -	
\leftarrow \rightarrow C \doteq https://scratch.mit.edu/projects/5870460	62/editor/		Q 🟠 🌒	(3 ∠≞ ⊕	e . e
ERTER - File Edit	Shared (5 See Project Page			e 💽	teddywaddy 🗢
😴 Code 🥒 Costumes 📢 Sounds		N 1	•	C	
Motion Motion					
Looks move 10 steps					
Sound turn C 15 degrees					
Um 🔊 15 degrees					
Control go to random position					
Sensing 10 to x: -79 y14					
Operators alide 1 secs to random position -					
Variables glide 1 secs to x: 79 y; 14					
My Blocks		Sprite	Pico 🔶 x	.79 ‡ y .14	Stage
point in direction (9)		Show	 Ø Size 100 	Direction 90	
point towards mouse-pointer •			.		Backdrops
change x by 10					
set x to -79					
change y by 10					
set y to -14 and a set of the set					
	Backpack			5	C
				\land	
					\mathbf{i}
\subset				/	
	Delete the character		Chasse	a diffa	ront
			Choose	a une	ient
	sprite by pressing on		cha	aracter	
	the garbage can		5110		
	the galbage call				

Add a backdrop

We need two backdrops, Desert and Winter



Make sure the Desert backdrop is up first.



Move the character with the arrow keys

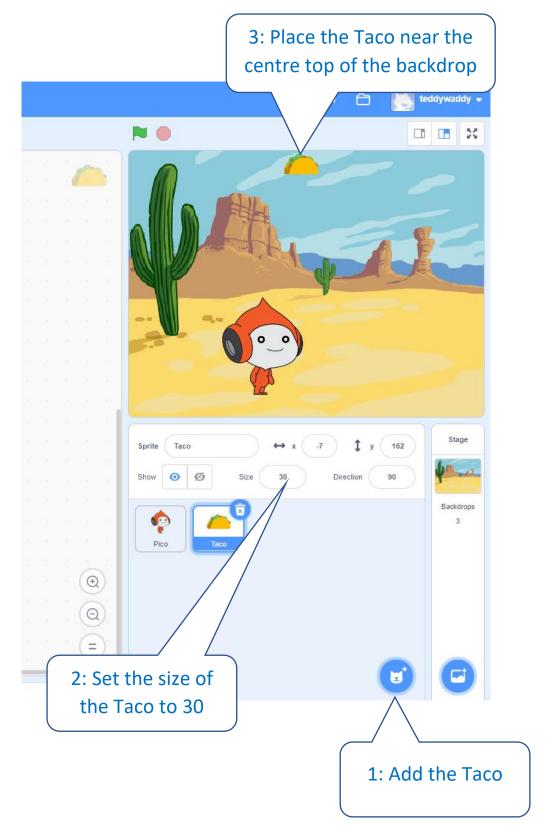
2: Add the fol	llowing blocks.	
		🗂 🔣 teddywaddy 🕶
	▶ ●	
when up arrow • key pressed		
change y by 10		1 AL
when down arrow - key pressed		
change y by -10		
when left arrow key pressed		
change x by -10	Sprite Pico ++ Show () () Size 10	x -59 ‡ y -84 Stage Direction 90
when right arrow key pressed	Pico	Backdrops 3
change x by 10 comes and the second		1: Make sure the
(a)		character is selected

You should now be able to move the character around.

To make sure the game always starts with the Desert backdrop, also add the following code blocks.



Add the Taco



Add a copy (clone) of the Taco

And make the new clone Taco appear at a different location



Click the flag 📕 a few times to see it working.

Now add lots of Tacos

			С	hange	the Ta	aco N code block
						when 💌 clicked
when I start a		_				
change x by						repeat 10
						create clone of myself
						wait 0.5 seconds

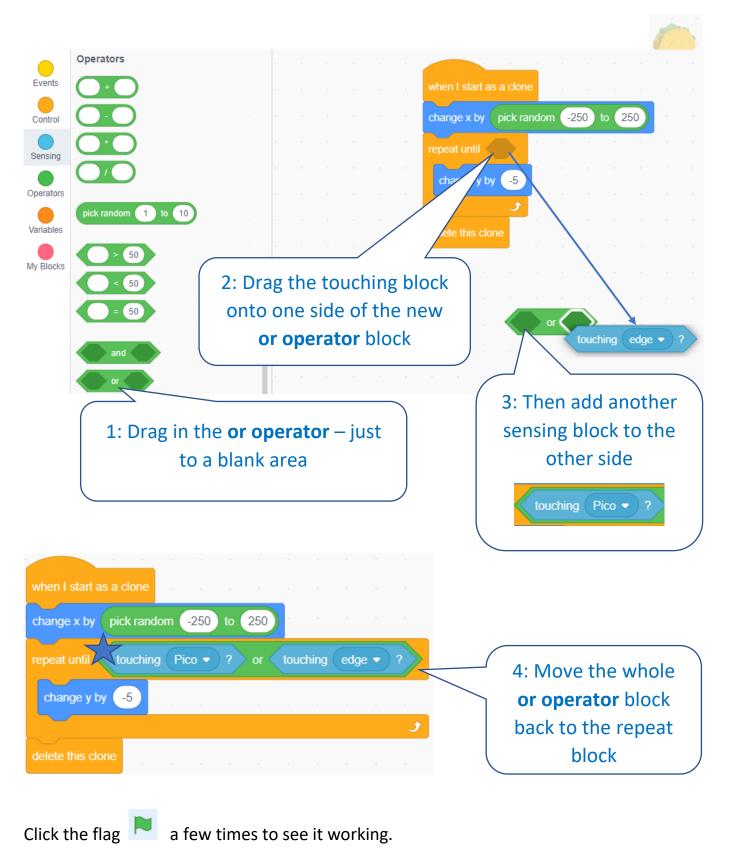
Now make the Tacos fall and disappear at the bottom



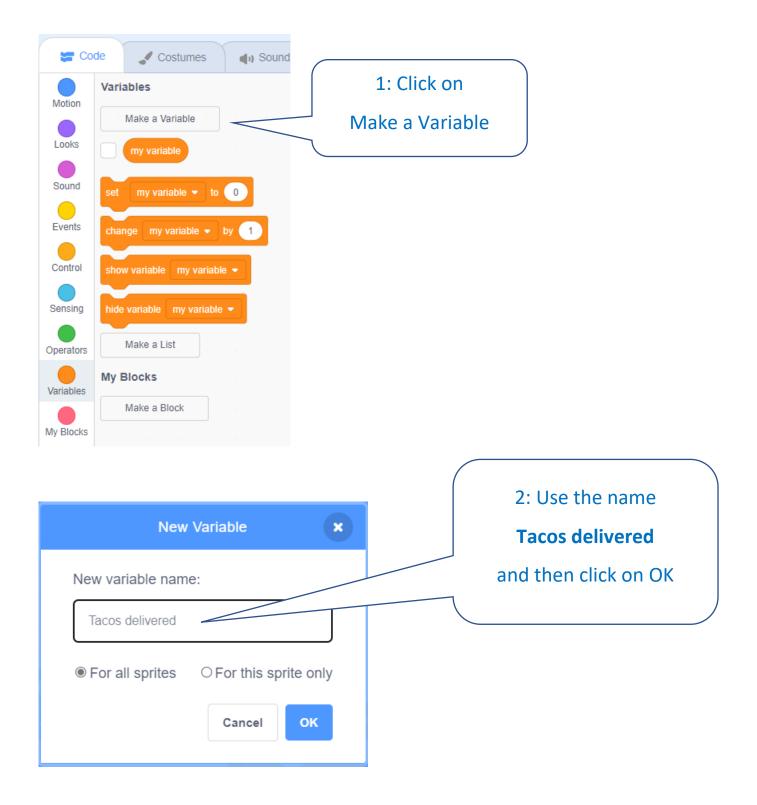
Click the flag 📕 a few times to see it working.

Tacos should also disappear if they hit the character (Pico in this case).

Make sure you have the Taco selected.



Keep count of the Tacos



Change the Taco code to count how many delivered

when I start as a clone						when 🏴 clicked
change x by pick ran	dom -250 to	250				set Tacos delivered ▼ to 0
repeat until touchir	ng Pico 🔹 ?	or touchir	g edge v	• ?		repeat 10
change y by -5						create clone of myself -
delete this clone				£	н н.	wait 0.5 seconds
						change Tacos delivered ▼ by 1

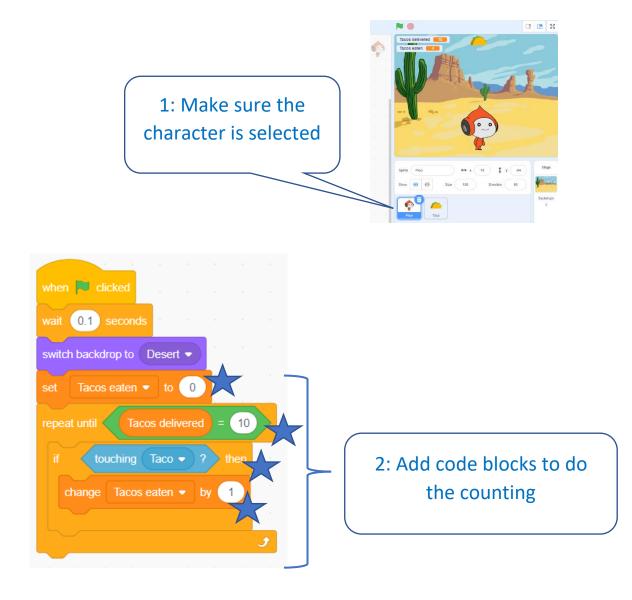
Click the flag a few times to see it working. Can you move around to dodge the Tacos?

Make another variable called Tacos eaten (this will be used to count how many Tacos hit the character).

Se Co	de 🖌 Costumes 🜗 Sound	New Variable 🗙
	Variables	
Motion	Make a Variable	New variable name:
Looks	my variable	
Sound	set my variable 🔸 to 0	Tacos eaten
Events	change my variable 🔹 by 1	For all sprites O For this sprite only
Control	show variable my variable 🔹	
Sensing	hide variable my variable 👻	Cancel
Operators	Make a List	
Variables	My Blocks	
	Make a Block	
My Blocks		

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Add the Tacos eaten counter to the code



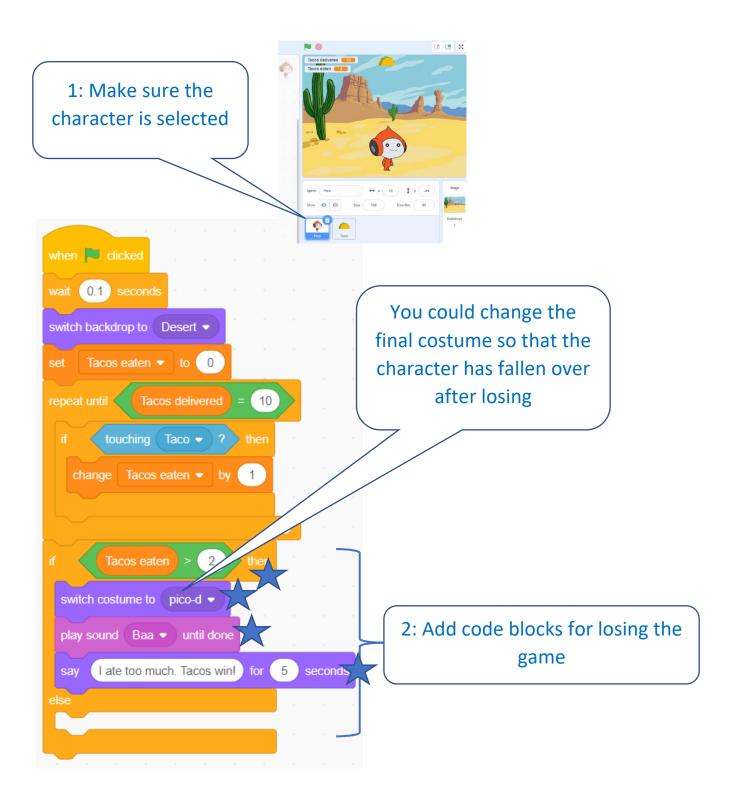
Click the flag 📕 a few times to see it working.

Challenges

- Can you dodge all the Tacos?
- Can you add another block to make the character get bigger each time they eat a • Taco?

To win, the character must eat no more than two Tacos.

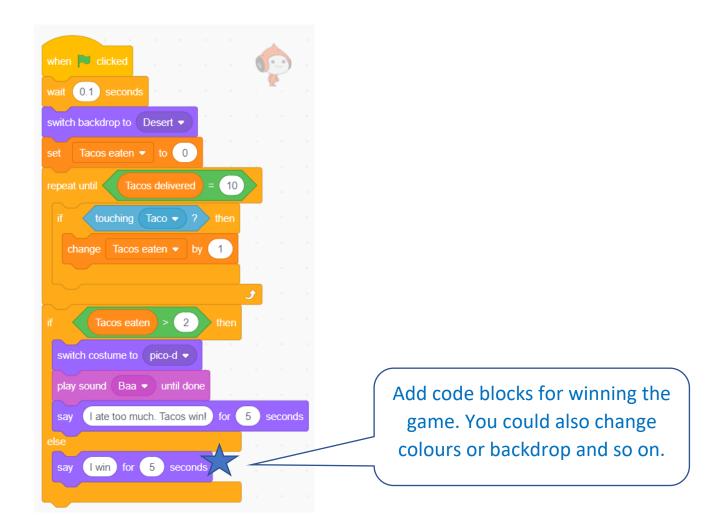
When all the Tacos are delivered, we need to check how many got eaten.



You can change the costume, the sound and the message to whatever you want.

Add some more code for winning the game.

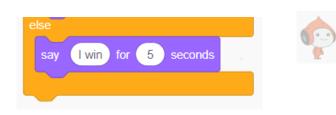
Make sure the character is selected.



The winning code is also where you would start another level in the game.

You can stop here or continue on to add another level.

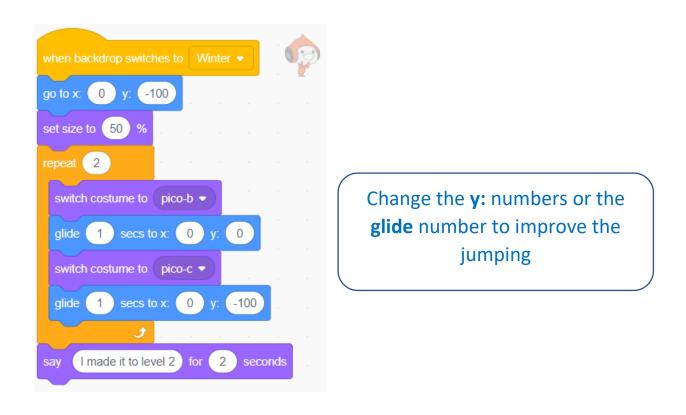
Change the winning code from this:



to this:

switch backdrop to Winter -

Now make the character jump up and down when they reach level 2.

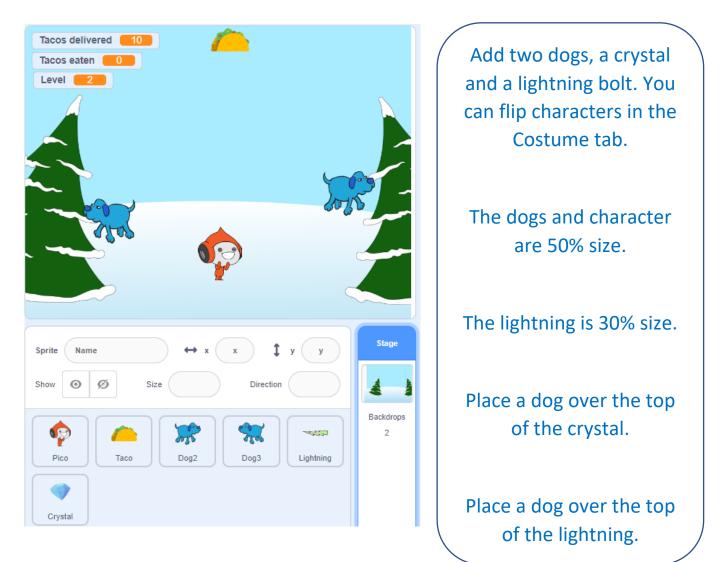


Make sure the character goes back to normal when the game restarts.

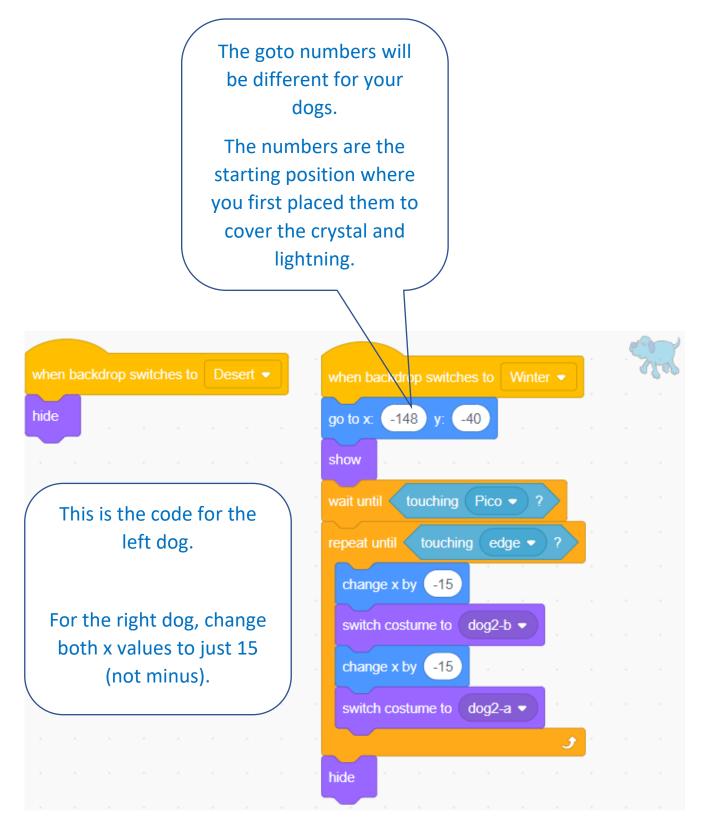
Add this new code block to the character as well.



Now add more sprites to the game for level 2



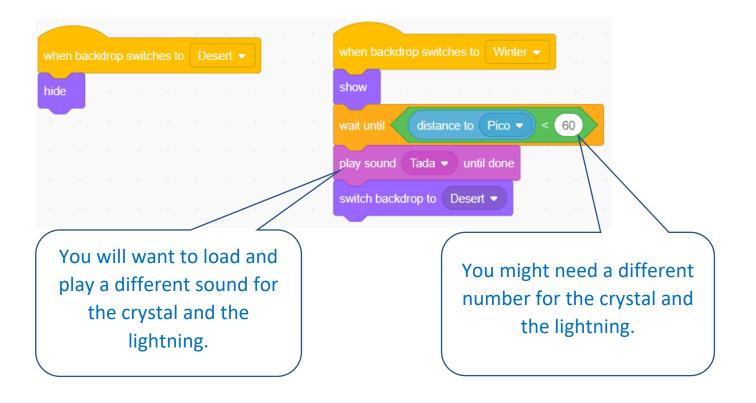
Add code to each dog to make them run away when touched by the character.



Add code for winning or losing when the crystal and lightning are uncovered.

The code is very similar for both.

Select the crystal, add the code and then select the lightning and do the code.



The whole game with two levels and some extra changes can be seen at https://scratch.mit.edu/projects/556401606/fullscreen/