

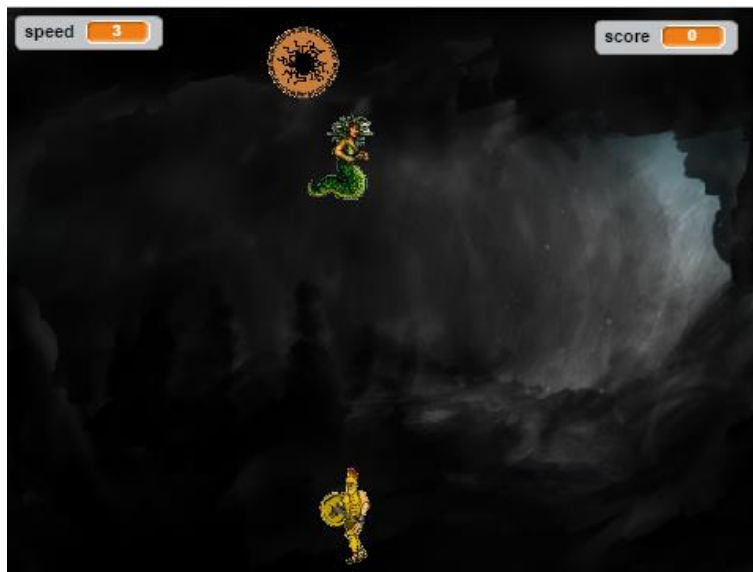


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# PERSEUS & THE GORGONS

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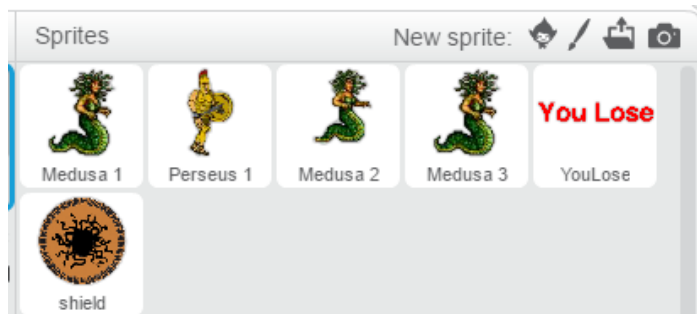
Scratch Coding Tutorial



MARCH 13, 2017  
WOODLEY COFE PRIMARY

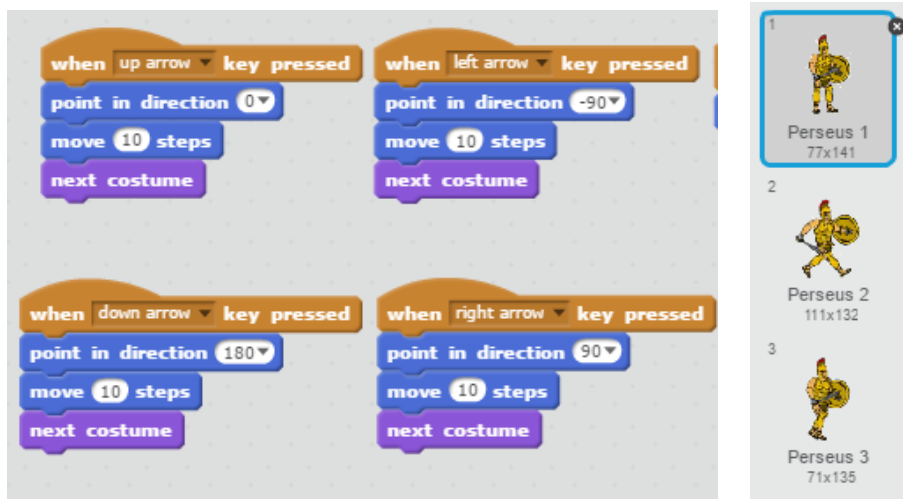
## Perseus and The Gorgons

The Sprites for the game



### Perseus Code

To make Perseus move and switch costume



### TIPS

Perseus has 3 costumes to make him look like he is running when the arrow keys are pressed.

#### IDEAS:

If you have time at the end, you could replace these costumes with your own drawings/photos.

## MORE PERSEUS CODE

To put Perseus in the right place at the beginning of the game.

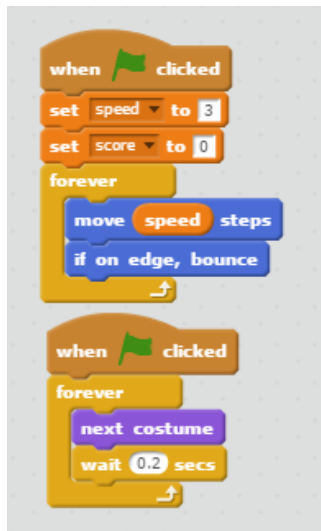
To make Perseus BROADCAST when he touches any of the Medusas



ONCE THE GREEN FLAG IS CLICKED ,  
FOREVER IF PERSEUS TOUCHES THE SPRITES  
CALLED MEDUSA THEN BROADCAST  
'PERSEUS DEAD' AND STOP ALL THE CODE  
FOR THE WHOLE GAME

IDEA: WHAT WILL YOU NEED TO DO IF  
YOU ADD MORE MEDUSAS?

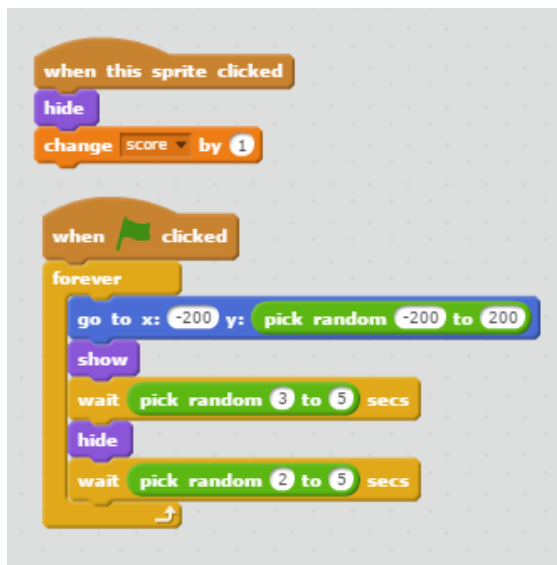
## Medusa Code



MEDUSA HAS 2 VARIABLES: 1 TO CONTROL THE SPEED OF HER MOVEMENT AND 1 TO SET/CHANGE THE SCORE.

THE FOREVER LOOP MEANS THAT IF SHE HITS THE EDGE OF THE SCREEN THEN SHE WILL BOUNCE BACK THE OTHER WAY.

SHE ALSO FOREVER SWITCHES COSTUME EVERY 0.2 SECONDS.

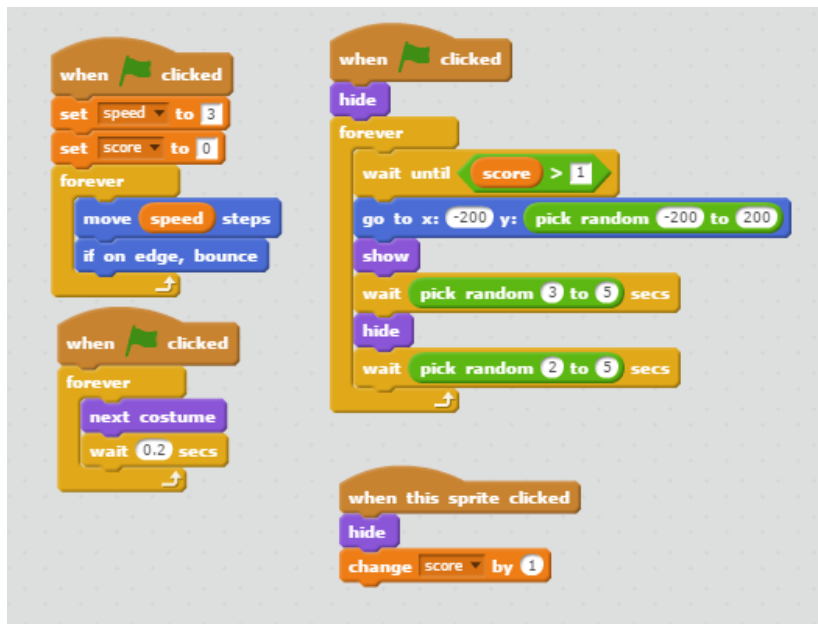


THIS CODE MEANS THAT IF SOMEONE CLICKS A MEDUSA THEN SHE WILL 'HIDE' AND THE SCORE VARIABLE WILL INCREASE BY 1

THE NEXT BLOCK OF CODE MEANS THAT WHEN SHE APPEARS SHE GOES TO THE FAR LEFT OF THE SCREEN AND PICKS A RANDOM Y AXIS POINT BEFORE SHE APPEARS.

AS SHE CRAWLS SHE 'SHOWS' AND 'HIDES', RANDOMLY, EVERY 2 TO 5 SECONDS.

## Medusa 2

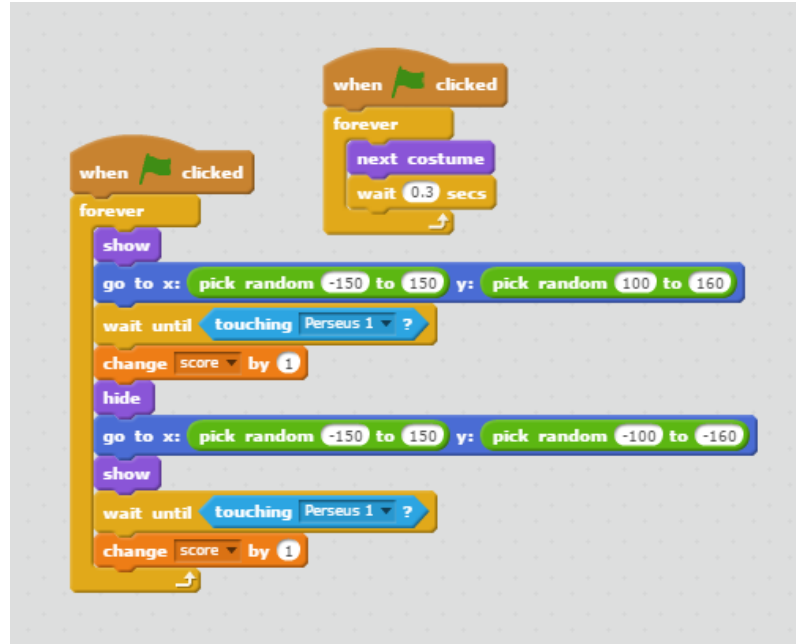
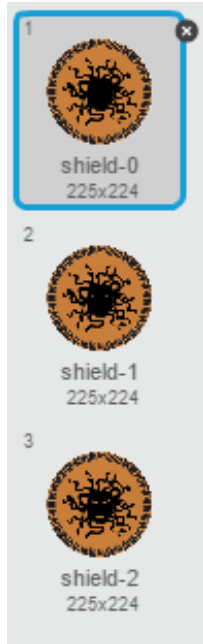


THE SECOND MEDUSA IS VERY SIMILAR, EXCEPT SHE WAITS UNTIL THE SCORE IS **GREATER THAN 1** BEFORE SHE **APPEARS**.

# You Lose



WHEN THE GAME STARTS HIDE  
WHEN PERSEUS BROADCASTS THAT HE IS 'DEAD' THEN SHOW AND STOP ALL CODE.



FINALLY

THE SHIELD HAS 3 COSTUMES WHICH FOREVER SWITCH.

IT ALSO HAS SOME CLEVER CODE TO KEEP PERSEUS HAVING TO RUN FROM THE TOP TO THE BOTTOM. SEE IF YOU CAN EXPLAIN THIS TO YOUR FRIEND.

So are you finished?

Here are some more ideas so you can advance your game:

<u>Challenge 1</u>	<u>Challenge 2</u>	<u>Challenge 3</u>
<ul style="list-style-type: none"> <li>- Draw new/replace sprites</li> <li>- Duplicate and make more Medusas (Don't forget to change when they appear)</li> <li>- Make Perseus faster</li> </ul>	<ul style="list-style-type: none"> <li>- Make the Medusas get faster as coins are collected.</li> <li>- Make new beasts which behave differently than Medusa</li> <li>- Make it 2 player using the keys a,w,s,d to control player 2</li> </ul>	<ul style="list-style-type: none"> <li>- Give Perseus a spear so that he can throw it at the Gorgons</li> <li>- Make a High Score System</li> <li>- Have other levels by changing the background and showing new sprites.</li> </ul>