

Computing

Summer 1 Week 1

Welcome to computing everyone!

There are two tasks to do this week:

- Completing Scratch maze game
- Starting new topic. Google Earth and Purple Mash – Geography

Complete your Maze Game

Try your best with Scratch. I don't have the logins with me, so if you can't remember it, use your Google classroom email address to reset it.

<https://scratch.mit.edu/download/scratch2>

Remember, you need to have a maze drawn.

Write the code to move your sprite.

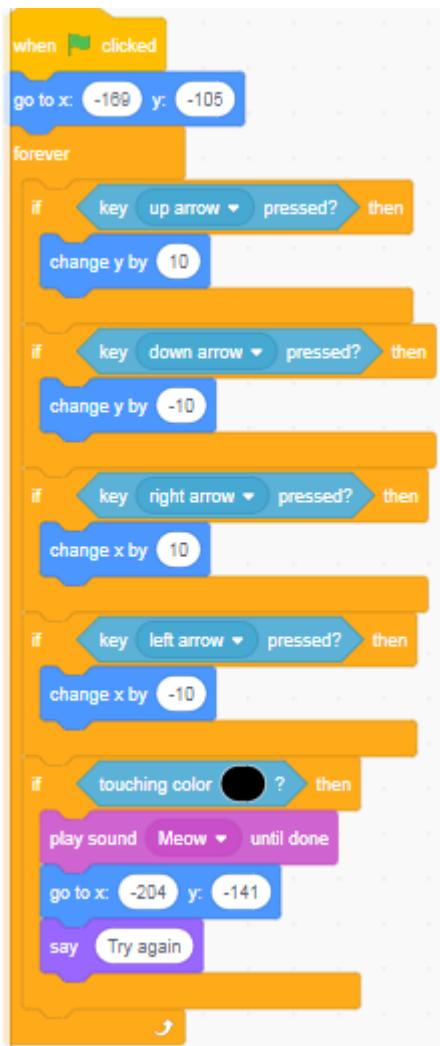
Write code so that your sprite goes back to the start if it hits the wall.

Remember to make the wall as a sprite, using different costumes so that you can make it move.

See what else you can make happen.

Sprite Movement – remember to put 4 'If' loops inside 1 'Forever' Loop.

Look on the next page for how to do this if you can't remember.



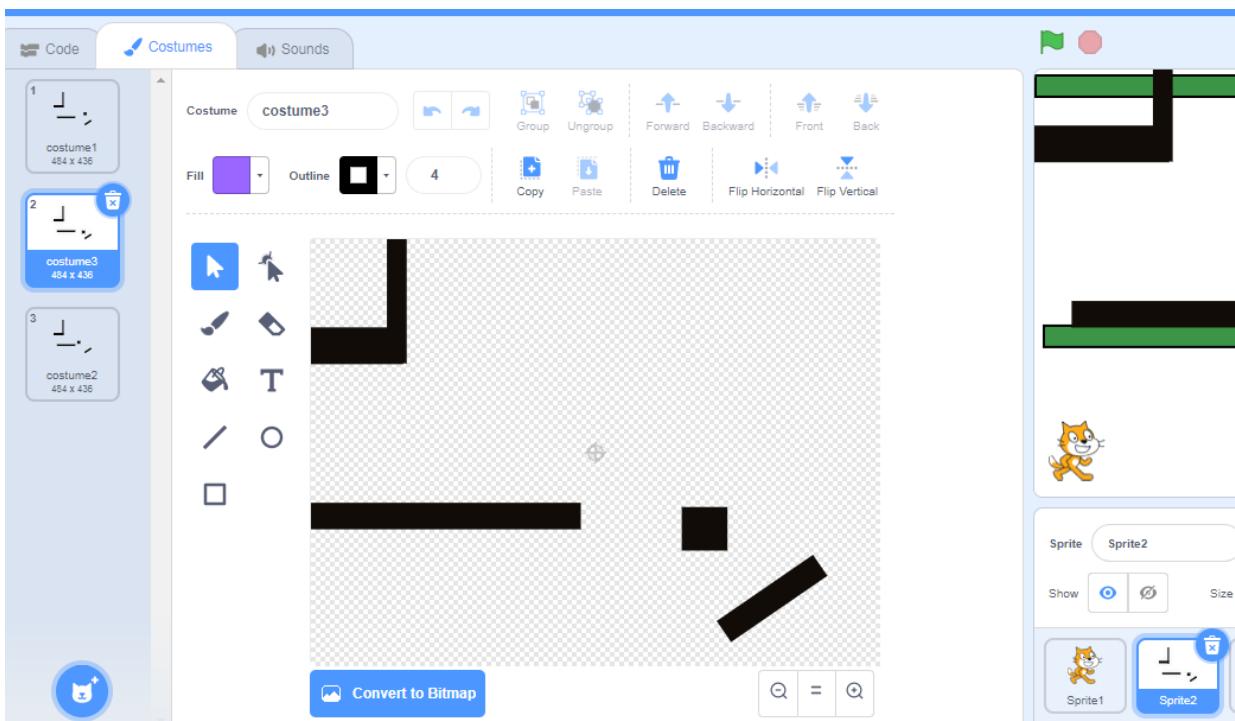
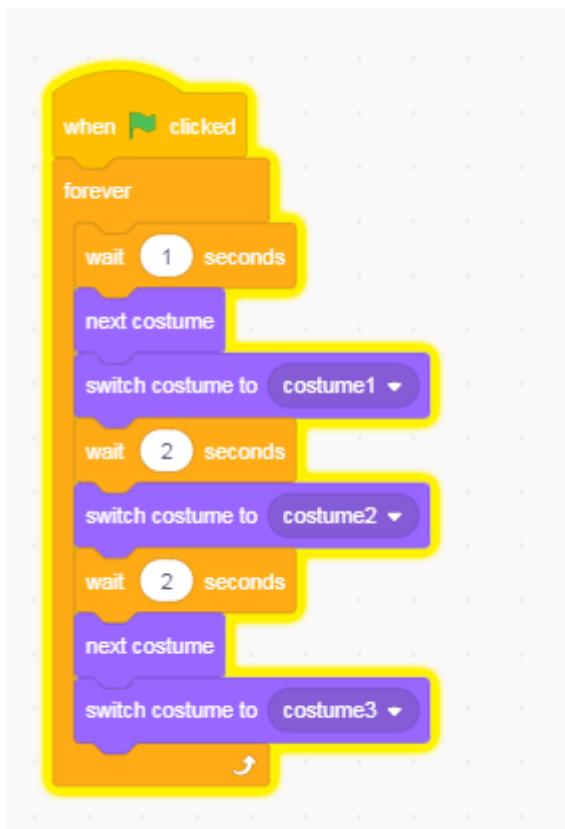
A Scratch script for a cat sprite. It starts with a "when green flag clicked" hat block, followed by a "forever" loop. Inside the loop, there are four "if key pressed" blocks: "key up arrow pressed?" which changes y by 10, "key down arrow pressed?" which changes y by -10, "key right arrow pressed?" which changes x by 10, and "key left arrow pressed?" which changes x by -10. After these movement controls, there is an "if touching color black?" block. If the condition is true, it plays the "Meow" sound until done, goes to x: -204 y: -141, and says "Try again".

Below is the code we looked at to make your sprite go back to the start, if it hits the wall.



A Scratch script for a cat sprite. It starts with a "when green flag clicked" hat block, followed by a "forever" loop. Inside the loop, there is an "if touching Sprite2?" block. If the condition is true, it goes to x: -169 y: -105 and says "Try again".

Code to put with Wall sprite to make it move, remember to create 3 costumes for it.

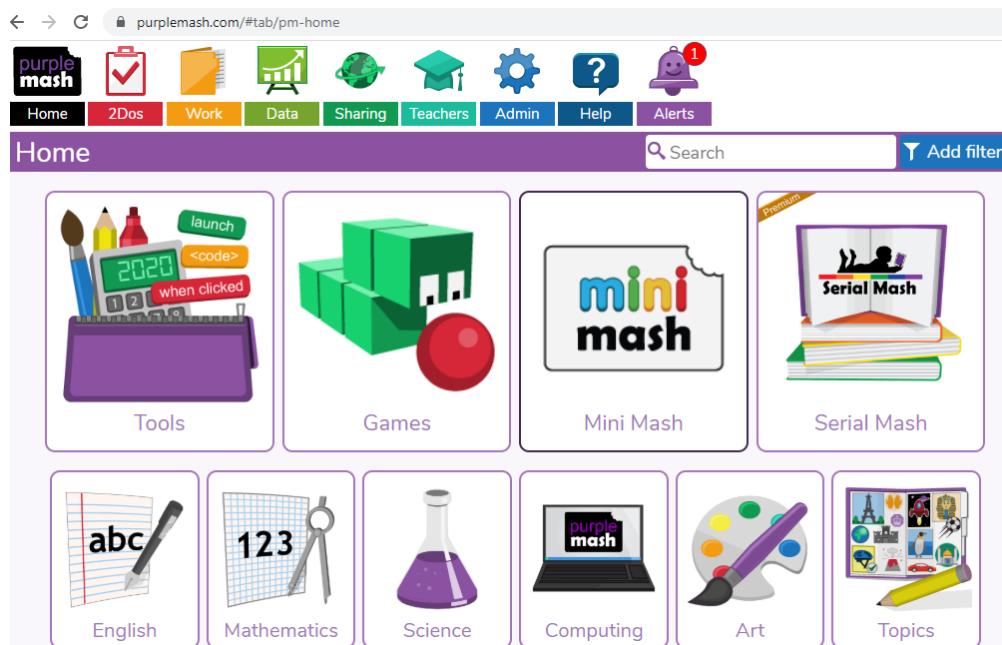


I've uploaded my game, see if Scratch will let you open it to look at for more help.

Mahmoud, would you be able to upload your game to show everyone please?

New Topic – Using Google Earth – Purple Mash Geography quiz

Over the next few weeks, we are going to be looking at making a map and using Google Earth as a resource. Before we do this, let's practise our Political Geographical knowledge using some quizzes on Purple Mash.



Login to Purple Mash, look at the PDF for your Password – only use yours. Let me know if you need one still.

A screenshot of the Purple Mash website showing the "Serial Mash" section. At the top, there is a navigation bar with icons for Home, 2Dos, Work, Data, Sharing, Teachers, Admin, Help, and Alerts. A purple banner below the bar says "Home/Topics". Below the banner, there is a link to "Curriculum Areas:". Under "Curriculum Areas:", there are five categories arranged in a grid: "Art" (with a paint palette icon), "Topics" (with a pencil icon), "Celebrations and Faith" (with religious symbols like a cross and a crescent moon), "Geography" (with a globe icon), and "History" (with a classical building icon). Each category has a small thumbnail image and a label below it.

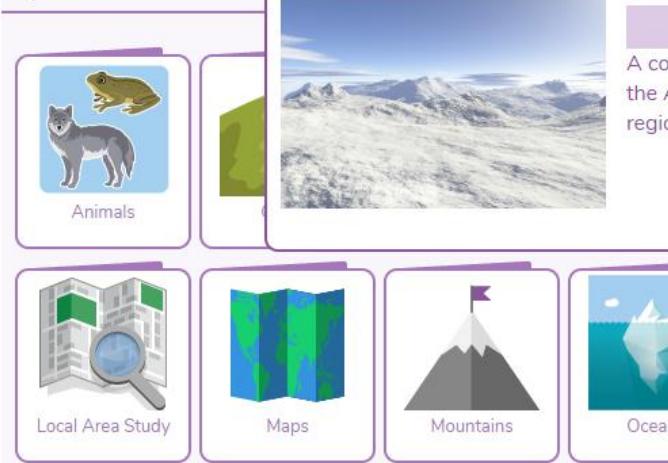
select **Topics**, then **Geography**

mash       

Home 2Dos Work Data Sharing Teachers Admin Alerts

 Home/Topics/Geography

Topics:



Then select **Maps**.

mash        

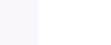
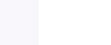
Home 2Dos Work Data Sharing Teachers Admin Help Alerts

 Home/Topics/Geography/Maps

James North Beckton Primary School 

Search  

Quizzes:

 African Countries	 Label features of Africa - Quiz	 British Isles	 Capitals of the British Isles	 Canadian Cities	 Central American Countries	 Compass	 English Counties	 European Capital Cities
 Europe Countries	 North American Countries	 Northern Ireland Counties	 Scottish Counties	 Significant Places - Quiz	 South American Countries	 Southern Africa Countries - Quiz	 South Africa Provinces - Quiz	 UK Capital Cities
 	 	 	 	 	 	 	 	 

Try the quizzes. Experiment with Using Google Earth to help, if you need to. You can also save your progress on Purple mash. You don't have to do every quiz, pick 10 to try.

Enjoy!