



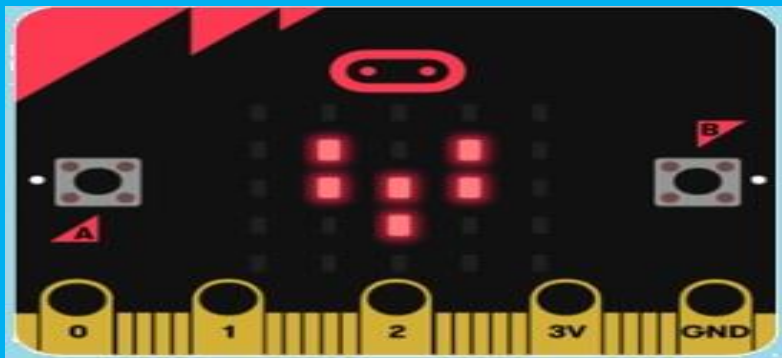
Have a heart!



Year 6 have experience of using Microbits. I bet many of our talented year 5 children can do this too. They can do this activity using the simulator <https://makecode.microbit.org/>

1. What will I do?

Make your micro:bit's heart beat using loops to create an animation.



2. How will I do it?

Click on the link above and select new project.
Then enter the code below.



3. Can I improve it?

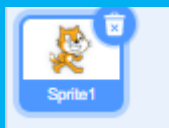
Make the heart beat faster/slower by changing the delay time.

Try animating other built-in images like the diamonds or squares.

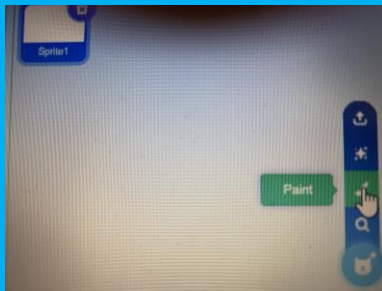
Create your own animations using your own designs.

4. What next?

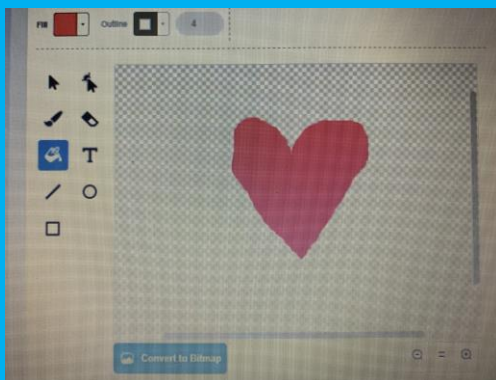
Why not see if you can create a similar output in Scratch online?



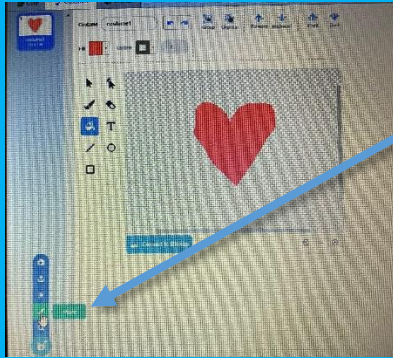
Delete Scratch



Select paint in bottom right corner.

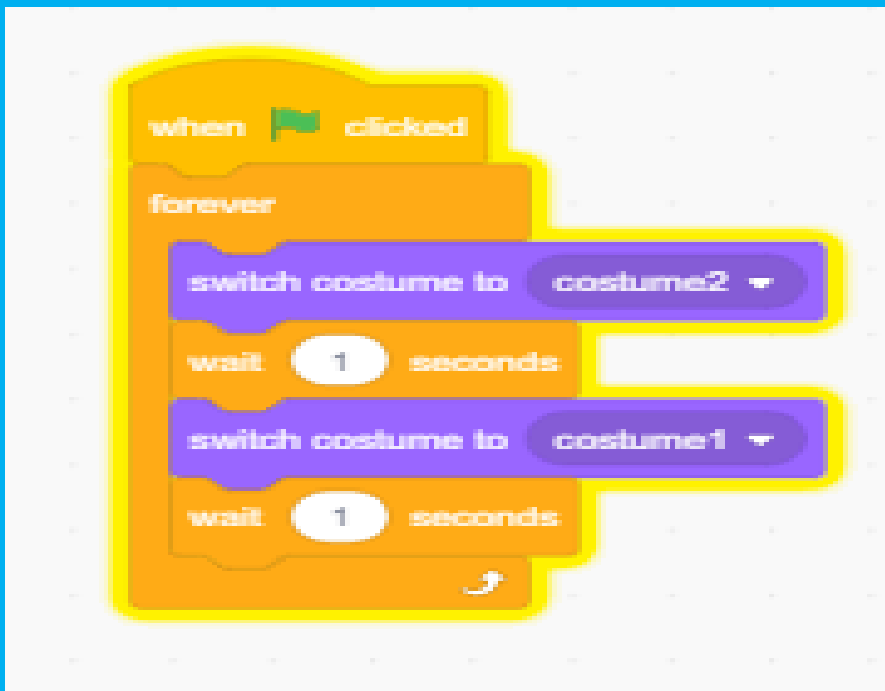


Draw a heart using the paintbrush and fill tool.



Repeat this for the second smaller heart using the paint tool bottom left.

Finally add your coded algorithm to make a heart appear to beat. Or try the one below.



Can you do this differently using next costume?

Can you add different sprites or create others of your own?

Looking for further coding practice?
Visit <https://code.org/break>