Coding with Scratch – Disco Dancing

In this project our sprite has four different costumes and we will use code to change the costumes so that it looks like she is dancing.

Then we will add a dance-floor as the backdrop and play some disco music.
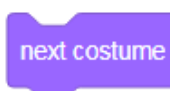
Let's start coding

Delete the Cat sprite

Click on this button to add a sprite

And select Cassy Dance

Cassy Dance

Make the sprite dance by changing costumes

Cassy has four costumes

From the **Looks** blocks drag out a `next costume` block.

Try clicking this block a few times and you will see Cassy changes costume and looks like she is dancing. (Remember sprite costumes don't just mean the clothes they wear but also how they look).
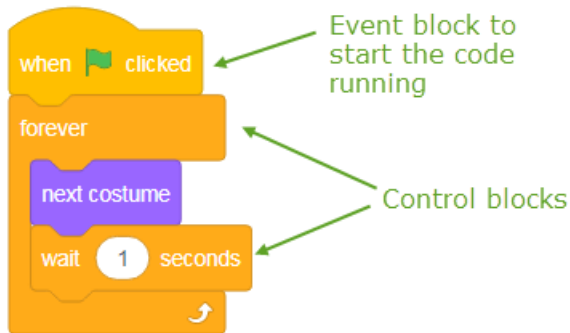
Keep on dancing

We don't want to keep clicking on the block, so put together these coding blocks to keep the sprite dancing.

This code works okay but the sprite is dancing too slowly. To speed things up change the number in the wait block. Something like 0.2 is good but try different numbers to see what you like best.

Add the dance floor backdrop

Click on the Add New Backdrop button

Scroll through the backdrops and select Spotlight as the new backdrop

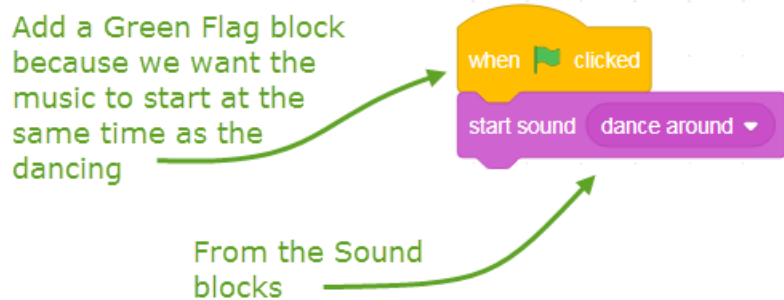Drag Cassy into the middle of the stage under the spotlight

Add the music

Dancing without music is not much fun. So use these two blocks to add the music.

Add a Green Flag block because we want the music to start at the same time as the dancing
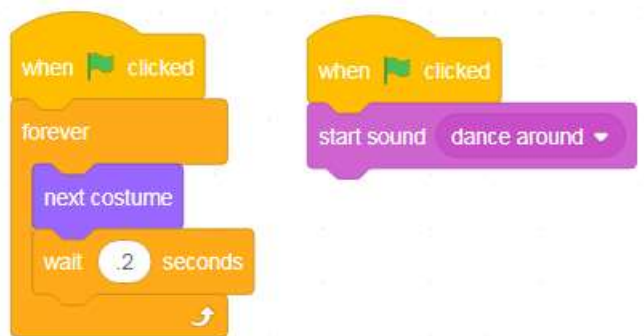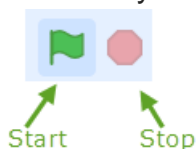
From the Sound blocks

(Don't forget to make sure you headphones or computer speakers are working okay)

Run the code

Your complete code should look like this:

Remember you can use these buttons to start and stop the program

Start   Stop

Challenge!

Try adding a second sprite so that you have two dancers.

Hint: You need a sprite that has several costumes - try one of these.

Champ99	D-Money D...	Jouvi Dance	LB Dance

If you need help see our answer at the end of this guide.

You can also try out lots of other projects at our website at www.stemforstarters.com

Answer to Challenge!

Add the second sprite to the project.

Then add the same code as you used to make the Cassy sprite dance.

You don't need to add the code that starts the music because the code for Cassy does that.

You may need to change the size of the new sprite so that it looks about the same as Cassy. And drag it around the stage so that it looks in a good position.

You can do the same to add a third dancer if you want!