

Here are the simple rules for this Speed Code Team Challenge:

#### What you need:

- One booklet with code for each table.
- One pen for each table.
- One "Coding Checklist" for each table.
- Prerequisite variables (provided by Mentor) created in your scratch program.

#### How to play:

- 1. **Teams:** Everyone at your table is on the same team. To keep this fair, experienced coders (greater than white belt) may be separated and moved to other tables to help less experienced coders.
- 2. **One Booklet:** Each table will get ONE booklet with the code you need to make the "Stepmania" game. Only one booklet per table, so you'll need to share it nicely with your teammates. The pages of the booklet can be divided up and swopped between teammates to speed up the coding process.
- 3. Your Task: Each team member on your table needs to try and complete the program in the booklet.
- 4. Work Together!: You can talk to your teammates and help each other understand the code. But remember, everyone has to write their own program on their own computer, remixing a completed program is not allowed!
- 5. **First Table Wins!** The first table where **every single person** at the table has finished completing the code in the booklet wins the challenge! If at the end of the coder dojo session, no table has completely finished the challenge, the table where the most coding has being completed will be elected as the winning table! So make sure to update the "coding checklist" as you go along!
- 6. **Tell Your Mentor:** As soon as everyone at your table has finished, shout out to one of the CoderDojo mentors so they can check!

### **Important Things to Remember:**

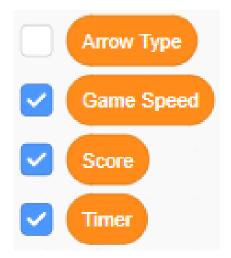
- Be fair, be patient and share the pages with each other as required.
- Update the "coding checklist" as you go along.
- Try your best to understand the code and complete it yourself, but remember it's okay to ask your teammates or a mentor for help if you're stuck.
- Have fun, work together and see how fast your team can code!

Good luck, coders!



### **Challenge Prerequisites**

Everyone creates the following variables:



Position the variables so that "Score" is to the top-left side of the stage, "Timer" is in the top-middle of the stage, and "Game Speed" is to the top-right side of the stage.

Once the variables are created and positioned as required, delete "Sprite1" to be left with the stage looking as per below:





### **Table Details**

Table Number:			
			_
Team Name:			

## **Coding Checklist**

	Teammate First Name	Page 1 Complete	Page 2 Complete	Page 3 Complete	Page 4 Complete	Page 5 Complete	Page 6 Complete
1.		-	-	-	-	-	-
2.							
3.							
4.							
5.							
6.							

## 

### Create 4 sprites with the following names:

- Up Arrow
- Down Arrow
- Left Arrow
- Right Arrow

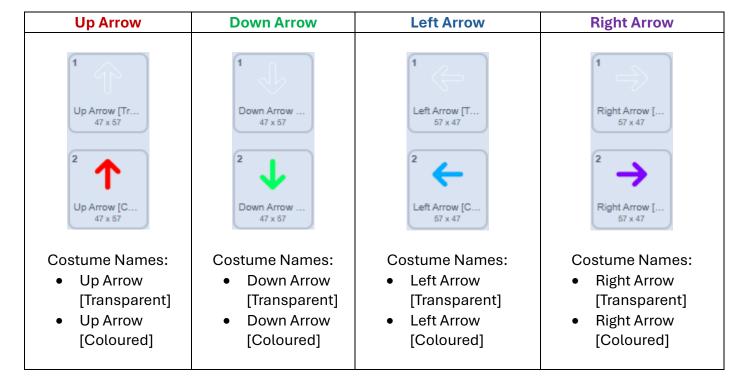








#### Each sprite will have 2 costumes:



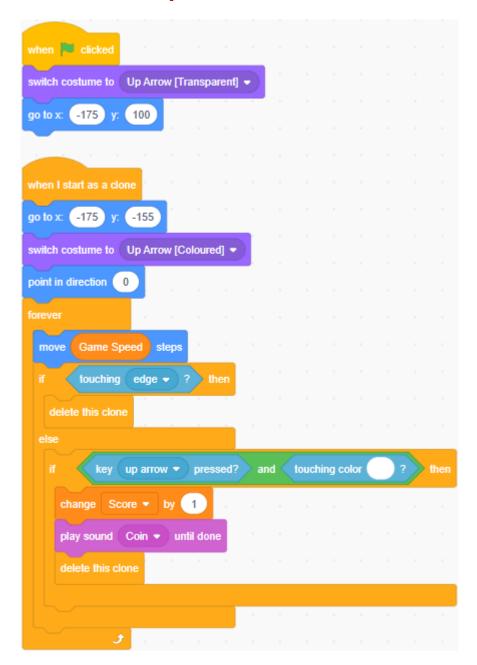
#### Note:

- The outline of the coloured arrows is not pure white, it is slightly off-white where "brightness" is set to 90.
- Direction of each sprite is set to "0" (pointing straight up) and locked so that the direction can't be changed.



# Speed Code Team Challenge [5427M2Ni2 G2M2]

### **Up Arrow Code**

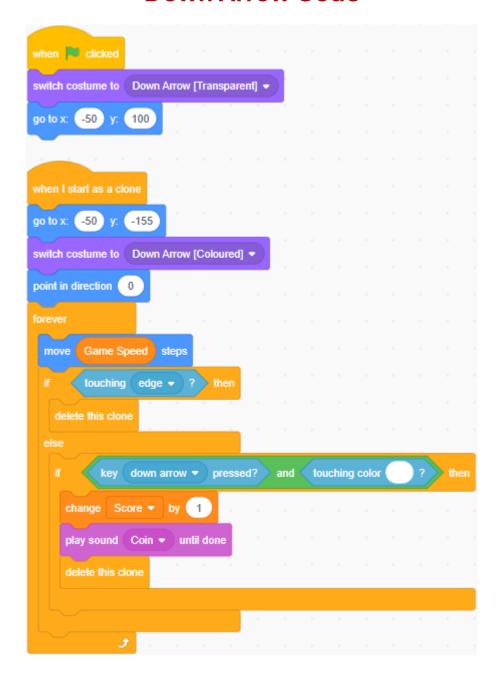


## **Up Arrow Attributes**



# Speed Code Team Challenge [5427M2Nia Game]

### **Down Arrow Code**

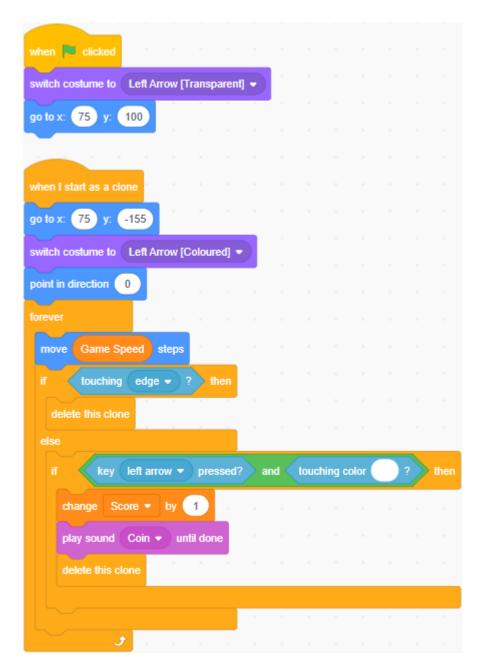


### **Down Arrow Attributes**



# Speed Code Team Challenge [542778713 G3M2]

### **Left Arrow Code**

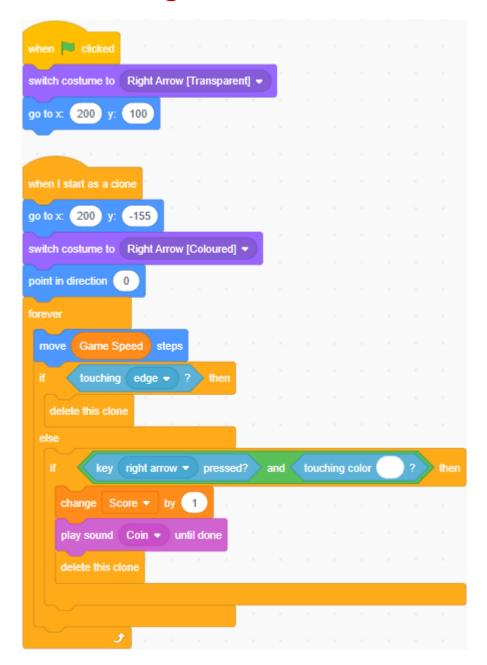


### **Left Arrow Attributes**



# Speed Code Team Challenge [5427M3Nia G3M2]

### **Right Arrow Code**

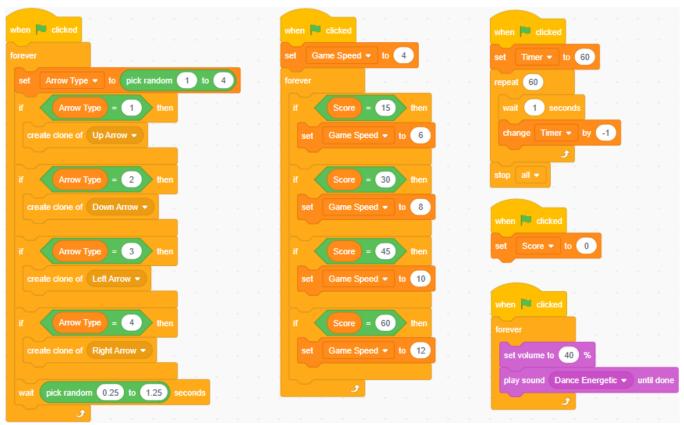


## **Right Arrow Attributes**



## 

### **Stage Code**



## **Stage Design**

