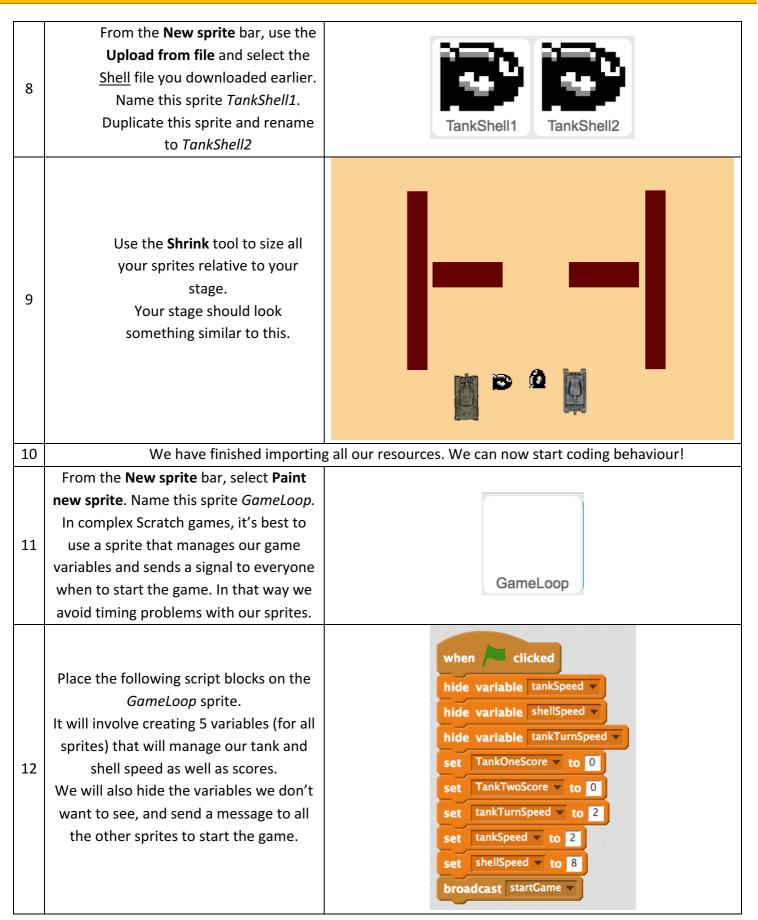
1 Start a new project and delete the Cat sprite Tanks https://opengameart.org/sites/default/files/i3ulu8_stri p8_0.png Shell -For this game, we need to download some http://pixelartmaker.com/art/db779e6958ac762.png resources. These resources are pictures and Explosion sounds. Go to these resources using your browser http://moziru.com/explore/Drawn%20explosion%20ani mated%20gif%20transparent%20background/#gal_post and **download** to your local computer. Remember _1273_drawn-explosion-animated-gif-transparentthe folder you put them in so you can find them background-2.gif later. Tank Firing Sound - http://soundbible.com/1326-Tank-Firing.html Bomb Sound - http://soundbible.com/1234-Bomb.html Click the **Stage** icon beside the **Sprites** bar. Click the **Backdrops** tab. Use the painting tools to draw the following stage. Use the Fill with Color and Rectangle shapes to 3 paint the background and make the walls. Make sure the colours are very different. You should have something similar to this. Use the **Upload from file** icon from the **New sprite** bar. Find the Tank file you have downloaded 4 earlier and open. Name this sprite *Tank1*. Click the Costumes tab Your Tank1 costume should have a number of tanks. Use the **Select** tool to draw rectangles around the tanks you don't want and delete until you have one left. Use the **Set costume centre** tool to make sure the sprite is centred. Don't forget to name this costume tank



On the Costumes tab, use the Upload from tank 114x60 file to select the Explosion file that you downloaded earlier. You should now see a number of new costumes. Delete any that 5 don't have a transparent background drawn-explos. New costume: drawn-explos... Click the **Sounds** tab and remove the existing pop sound. Use the Upload from file and 6 select the Tank Firing sound file. Do the same action again and select the Bomb sound file. Bomb-Sound... 00:01.65 Duplicate the Tank1 sprite and rename to Tank2. Click the Costumes tab and delete the 7 existing tank costume. Use the **Upload from file** to select the Tank Tank1 Tank2 file from earlier. Repeat step 4.



13	Select <i>Tank1</i> sprite and click the Scripts tab. Place the following script block. Use the More Blocks category and Make a Block to create the 4 purple blocks. This will be our main tank behaviour loop that will last the entire game.	when I receive startGame v gotoStartPosition forever defineMovement checkIsHitByEnemy checkIsFiringShell
14	Place the following script blocks under the gotoStartPosition definition block. This will make our tank sprite to show its tank costume, move to a certain position and appear every time we use the gotoStartPosition block.	define gotoStartPosition switch costume to tank go to x: -200 y: -130 point in direction 0 show
15	Place the following script blocks under the defineMovement definition block. This will make our tank move when we press our direction keys (WASD) You will need to create two variables for this sprite only, lastXPos and lastYPos. This and the If touching color (matching the color of the wall zones) will try stop the tank sprite from crossing the wall zones.	define defineMovement set lastXPos to x position set lastYPos to y position if key v pressed? then move tankSpeed steps if key v pressed? then turn lankTurnSpeed degrees if key v pressed? then turn lankTurnSpeed degrees if touching color lankTurnSpeed degrees

Place the following script block define checkIsHitByEnemy under the checkIsHitByEnemy definition block. touching TankShell2 ▼ ? then This will tell our tank what to do play sound Bomb-SoundBible.com-891110113 if it is hit by the enemy shell (TankShell2). **costume** # | = 19 It will play the explosion sound 16 and loop through all the next costume costumes (19 comes from the number of costumes in the hide Costumes tab). change TankTwoScore v by 1 We will change the score for wait 2 secs Tank2, wait some seconds, and go back to the start position. gotoStartPosition Lastly for Tank1, we place the following script blocks under the checkIsFiringShell define checkIsFiringShell definition block. This will tell our tank what to do key q ▼ pressed? > then when the key to fire (Q) is 17 play sound Tank Firing-SoundBible.com-998264747 pressed. create clone of TankShell1 -It will create a clone of TankShell1 and the wait block wait until (not < key | q ∨ | pressed? will prevent the user from holding the key to keep firing. Click the TankShell1 sprite. when I receive startGame Place the following script hide blocks. This will make the tank shell hide when the game go to Tank1 ▼ starts. It will also handle when point in direction direction of Tank1 18 it starts as a clone (fired from Tank1). It will start at Tank1 repeat until touching edge ▼? or touching color ▼? or touching Tank2 ▼ and move in Tank1's direction move shellSpeed steps

until it hits the edge, the wall zone, or the enemy tank.

	Click Tank2 sprite.		
	Repeat the steps 13-17 but changing the following: • goToStartPosition definition block		
19			
	o change the go to x y coord to x:200 and y:130		
	 change the point in direction to 180 		
	defineMovement definition block		
	o change the key pressed? values from WASD to the arrow Up, Down, Left, and Right		
	keys		
	checkIsHitByEnemy definition block		
	 change the touching? value to TankShell1 		
	 change the change score by value to TankOneScore 		
	checkIsFiringShell definition block		
	 change the key pressed? values to L 		
	 change the create clone of to TankShell2 		
20	Click TankShell2 sprite. Repeat step 18 but changing the following: • when I start as a clone • change the go to block value to Tank2 • change the point in direction value to direction of Tank2 • change the last touching value to Tank2		
21	That's it! You now have a 2-player tank fighting game!		
	But what now? Well why don't you try improving it by:		
	Creating an introduction screen before the game starts and a screen explaining the		
	controls		
	 Allowing the players to change to different tank costumes 		
	Have the tanks start randomly after they explode		
	 Create a game over screen when a score is reached 		
	 More levels that change every time a tank is exploded 		
	 Or anything else you can think of! 		
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