## Aunt Lee Dot Com

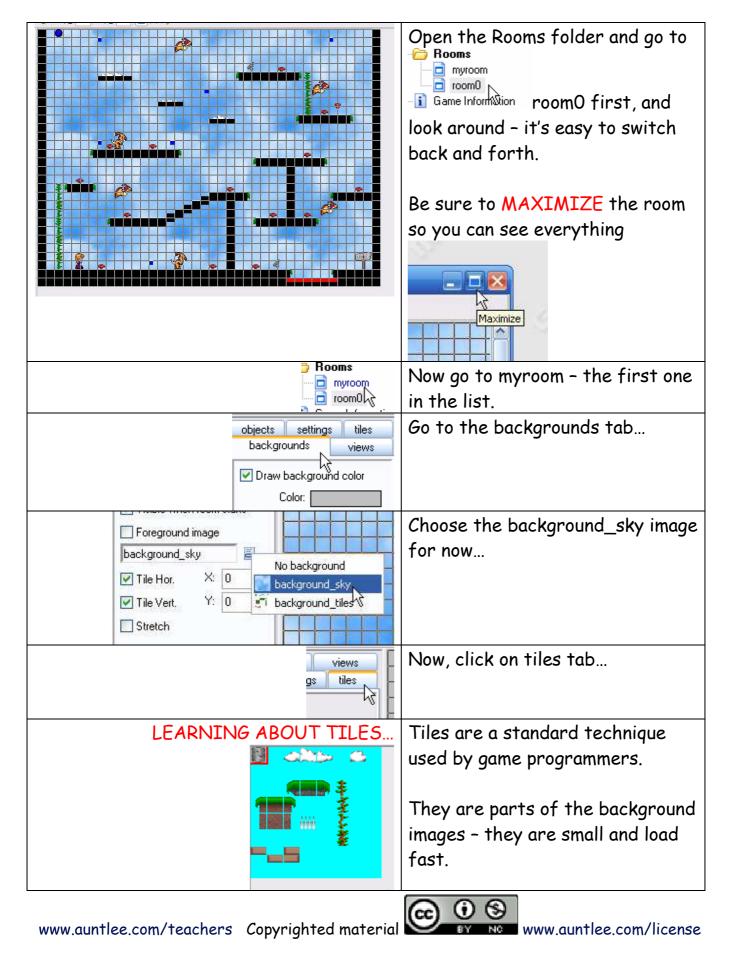
## FANTASTIC VOYAGE - INSIDE A GAME PROGRAM

Design Levels – Platform Game.

Events:       Actions:             Create          Step          Step          Scared          wall          with and the start position          Mean point          weiling classes          Change sprite into pac_stand          Mean position          Start position           Start position          S	A game tells a story - we're going to look at how programmers use Game Maker software's: Sprites Sprites Objects Objects Events Start moving in a direction Actions Start moving in a direction To tell a story in a game.
Score: 0	We're going to design our own levels in a platform game and learn the secrets of game programming
File Edit Add Scrip	First, open the original game and play it to get a feel for the original level
platform_6.gm6	It's called platform_6 and it's on the CD in a folder called platform.

1

Global Game Settings	You can look at the instructions for the game at the Game Information icon - later, you may want to personalize this info.
Notice that you get points for collecting	Notice how the monsters move
mushrooms, that you lose a life when you	back and forth, as if something is
collide with a monster, and that when lives	blocking their way - we'll learn
are gone, the high score chart displays	about this later
and the game restarts.	
<ul> <li>Museum.gm6</li> <li>platform_1.gn</li> <li>platform_2.gm6</li> </ul>	Now, let's open the Museum.gm6 example and get started
Game Maker 6.1: Museum. File Edit Add Scripts Run New Ctrl+N Open Ctrl+O	MAKE SURE THAT ADVANCED MODE IS CHECKED!!!!!
Ctri+O   Recent Files   Save   Save As   Save As   Merge Game   Advanced Mode   Preferences	Click File - there'll be a check mark next to Advanced Mode if it's enabled!

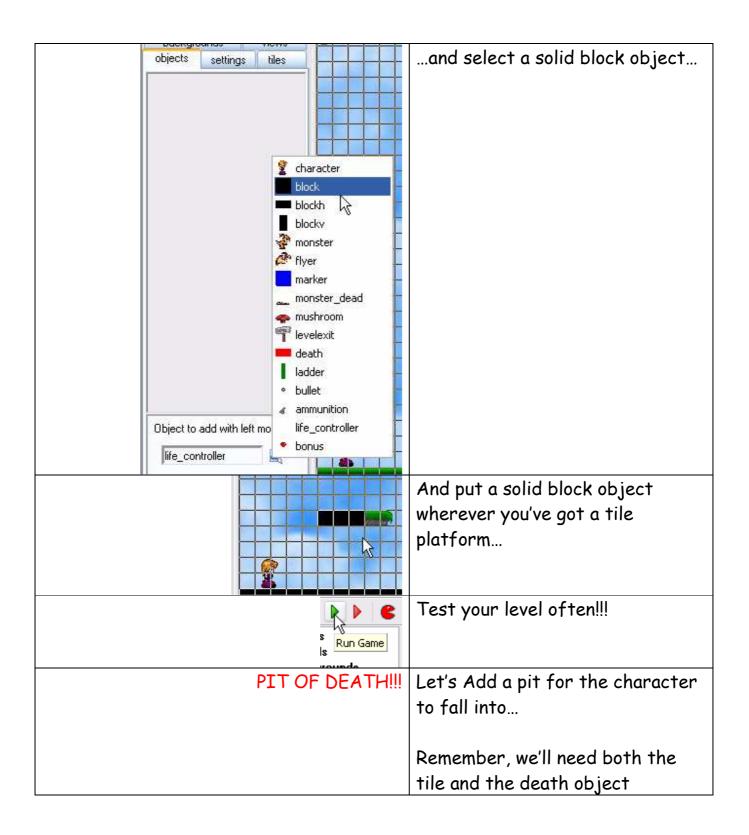


	They are not objects - they don't have any programming attached to them. When you click on a piece, it shows what you're getting with a red border And you click to put the tiles in
	the room the same way you're used to clicking to put objects in the room and you still right-click to delete
	We'll need to have a surface for our character to walk on, so start there
	It's a good idea to make the surface at last two boxes deep, because we'll probably want to add a <i>pit of death</i> later
	When you've got a surface started, we can put our main character in and start testing
backgrounds objects settir	Go to the objects tab

Cbject to add with left mous	Click on the loading icon - we'll select the character, but first take a look at all the objects that will be available for us to use
Left mouse button = add + < Alt> = no man	Place the character on the ground, and run the game to test Run Game it
	the character falls and dies!
	Why? Because all we put in were the pretty tiles, not the block objects that are programmed to be solid and that collide with the character.

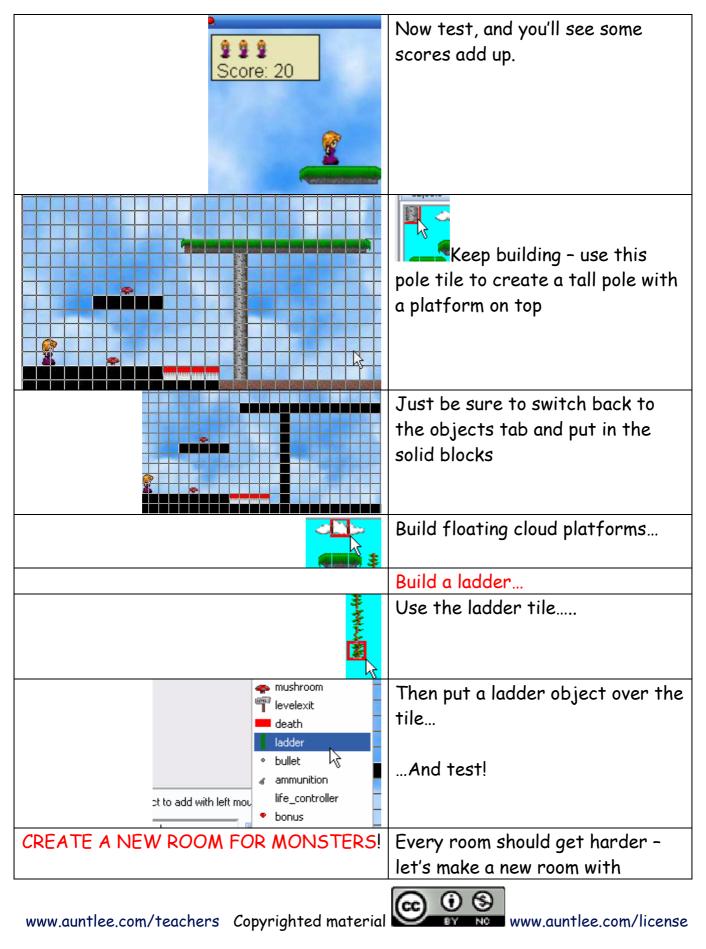
objects       settings       tiles         iles       iles       iles         iles       block         blockv       blockv         blockv       monster         flyer       marker         monster_dead       mushroom         ilevelexit       death         iladder       bullet         ammunition       iife controller	So go back now and put in solid block objects When you're on the objects tab, Click the load icon and select a block. Note there are several sizes to use - helpful for smaller platforms
Object to add with left mo life_controller bonus	See how the blocks cover up the pretty tiles, but test the game, and you'll see that all the player sees are the pretty tiles Now it works! Now we'll remember to always put in a solid block object for our character to walk on

Name: block Sprite Sprite_block New Edit Visible Solid	If you're curious, look at the block object -note that the visible box isn't checked - so the block is invisible to the player, but the solid box is checked. So let's go back to the tiles tab
	and keep creating our level You must be on the objects tab to add or delete an object, and you must be on the tiles tab to add or delete a tile! You can use these tiles
	To create a platform for the character to jump onto
backgrounds objects settir	Just be sure to go back to the objects tab



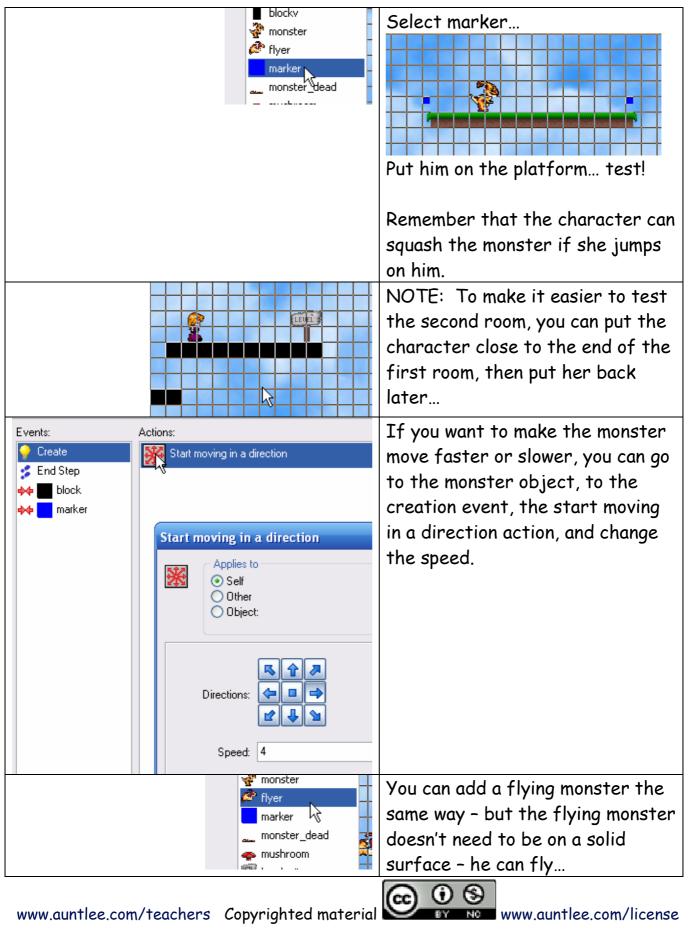
objects settings tiles	On the tile tab, select the toothy tile
	We can make the game very hard by putting the pit of death directly under a platform (so if she falls off, she falls directly into the pit)
marker   monster_dead   mushroom   levelexit   death   ladder   bullet   ammunition   life_controller   block	Now go back to the objects tab Select death
	Click to put the death object into the pit - and test
Events: Actions: Create Step	If you're interested, you can look at the programming for the collision event with the character and the death object.

	Note that you lose a life when you fall into the pit of death Let's show the lives on the game itself
UIFE CONTROLLER         • bullet         • bullet         • object to add with left moust         Iffe_controller         • bonus	Go to to the objects tab and select life_controller
	Click to add it to the top left of the room - test it by falling into the pit of death a couple of times
Score: 0	Note that this also shows the score – let's add some mushrooms so that the character can get some points
ADD MUSHROOMS FOR POINTS!	
Object to add with left mou         Object to add with left mou	On the objects tab, select the mushroom and put some in.



	monsters - but how do we get
	there?
wonster_dead with a mushroom with a m	On the objects tab, select the levelexit object!
	Place it toward the end of your room And test!
Rooms      Myro     Insert Room     room     room     Duplicate     Qlt+Ins     vith     Game In     Global G     Global G	Let's add another room - right- click and choose duplicate
Rooms myroom room0 Game Infd TInsert Room	You may want to right-click and rename it
Global Ga Duplicate Alt+	Then click and drag it so that it's the second in the list, if needed
	In the new room, delete the life_controller object, or you'll get error messages.
	Put in a new life_controller in the new room - this seems to work.

backgrounds       views         ✓ Enable the use of Views         View 0         View 1         View 2         View 3         ✓ Visible when room starts         ✓ Visible when room starts         ✓ View in room         X: 0       W: 300         Y: 0       H: 200         Port on screen         X: 0       W: 300         Y: 0       H: 200         Object following         character         Hbor: 64       Hsp: 4         Vbor: 64       Vsp: 4	Or, you can create a new room with the icon, to get a completely blank room - but to get the same effects, you'll need to set up the view menu like so
LET'S ADD MONSTERS!	Remember how the monsters moved back and forth, back and forth?
flyer marker monster_daad musbroom	It's because the game programmer put in marker objects (that are invisible to the game player) that the monster bounces off of
	So when you put in a monster, also put in two markers to keep the monster moving back and forth
blockh blockv monster Pflyer	Select the monster
	Put him on the platform



14

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AMMUNITION	You can arm your character against the monsters with ammunition
I ladder         • bullet         Image: amounition         Ife_controller         Image: amounition         Image: a	In objects tab, select ammunition, and place it somewhere in the room where the character can get it
•	Now she can shoot monsters with the spacebar
Score: 0	And the ammo will show up on the scoreboard
CREATE A NEW MONSTER SHORTCUT	Let's make a new monster who moves up and down
flyer r Duplicate Alt+Ins r le d	Right-click the flyer monster and choose Duplicate
Name:     object_newmonster       Sprite     Create       Sprite_flyingr     Start moving in a direction       New     Edit       Visible     Solid	Go to the creation event and click the Start moving in a direction icon.

Start moving in a direction         Applies to         Self         Other         Object:	Un-check the right arrow direction Click the down arrow direction
Directions:	Change speed if you like
Relative	
Events: Actions:  Create End Step  Meverse horizontal direction	On both the collision-block and collision-marker events,
Marker	<ul> <li>Delete the reverse horizontal direction</li> <li>Drag reverse vertical direction</li> </ul>
Events: Actions:	So it looks like this
Create                  End Step                  Marker	
river     object_newmonster     marker     monster_dead     mushroom	Now, when you select the new object in a room

