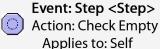
Move: Player Gra

In a platform game, make a player object move when arrow keys are pressed

Object_Player



x: 0 y: 1

Objects: Only Solid **Check Relative** No NOT

{same event}

🎎 | Action: Set Gravity Direction:270 Gravity: 1 **Check Relative**

[same event] Action: Else

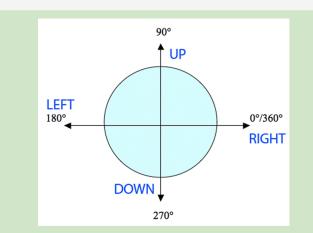


[same event]

Action: Set Gravity Direction: 270 Gravity: 0

Not Relative





When setting gravity, Game Maker uses degrees to set direction because the gravity does not relate to (x,y) coordinates in the game room.

This will set the gravity for the object_player. Check Empty will check if their is anything under the player and set the gravity to 0 if there is a solid object. Else means if there isn't a solid object underneasth, set the gravity to 1 to drop the player.

To make your object_player move left, right, and up- you will need a solid object_wall

Object_Player



Event: Keyboard <Left>

Action: Check Empty Applies to: Self

> x: -1 y: 0

Objects: Only Solid **Check Relative** No NOT



Continued on Part 2 of 3

Move: Player Grav

{same event}

Action: Jump to Position Applies to: Self x: -5 y: 0



Event: Keyboard < Right>

Action: Check Empty Applies to: Self

Check Relative

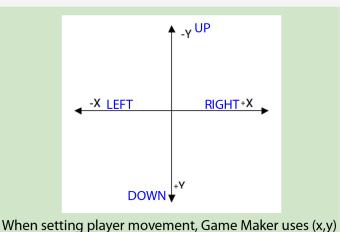
x: 1 y: 0 Objects: Only Solid **Check Relative** No NOT



{same event}

Action: Jump to Position Applies to: Self x: 5

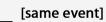
y: 0 **Check Relative**



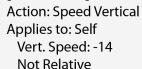
Event: Key Press <Up>

Action: Check Collision Applies to: Self x: 0 y: 1 Objects: Only Solid **Check Relative**

coordinates. Remember that the y-axis is flipped, so positive y-coordinates go down instead of up.



No NOT





Move: Player Gravity

Event: Collision <Wall>

Action: Move to Contact Applies to: Self Direction: direction

Maximum: 12

Against: Solid Objects

{same event]

Action: Speed Vertical

Applies to: Self Vert. Speed: 0 Not Relative



Important Notes:

When you place your object_player in the game room, it MUST be above the wall. If the game starts with object_player touching object_wall, the player will become stuck and immobile.

Test out how the player moves between the platforms. How high can he jump? How many blocks can he jump? Platform games are harder to design than free form or maze, because it is possible to get stuck without a way to complete a level.

The design of the levels is more important than the height or movement speeds. Be careful not to design your game and then change your vertical speed in a way that the player can't access the platforms. You should also be careful not to design the game and then make it too easy by increasing his movement speed.

The other cards in this packet will apply to platform games, but you should ignore any player movement changes unless you are using a card that states PLATFORM GAME ONLY at the top