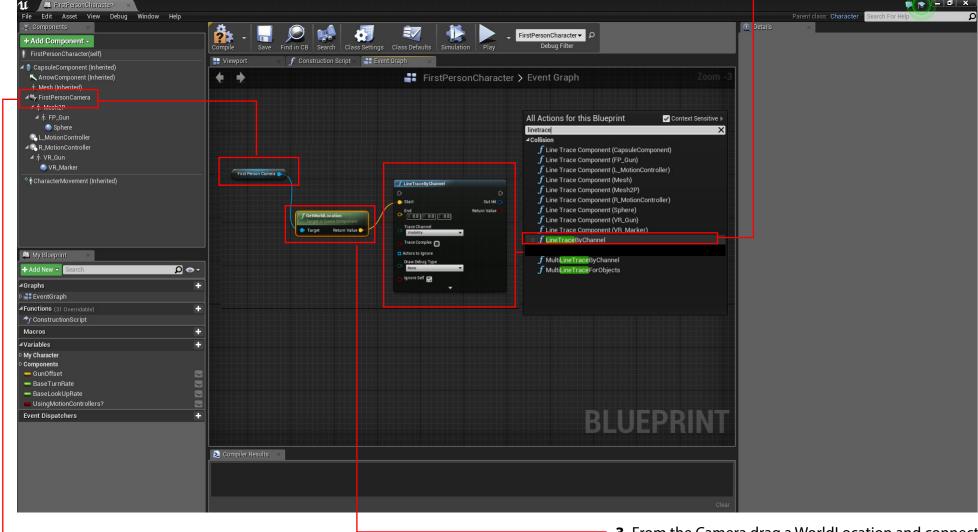


NOTE: This works for a First Person level.

Being able to pick up an object and move it is great way to hide secret doorways or passages in your level.

**1.** Open the First Person Blueprint and create a LineTraceForChannel

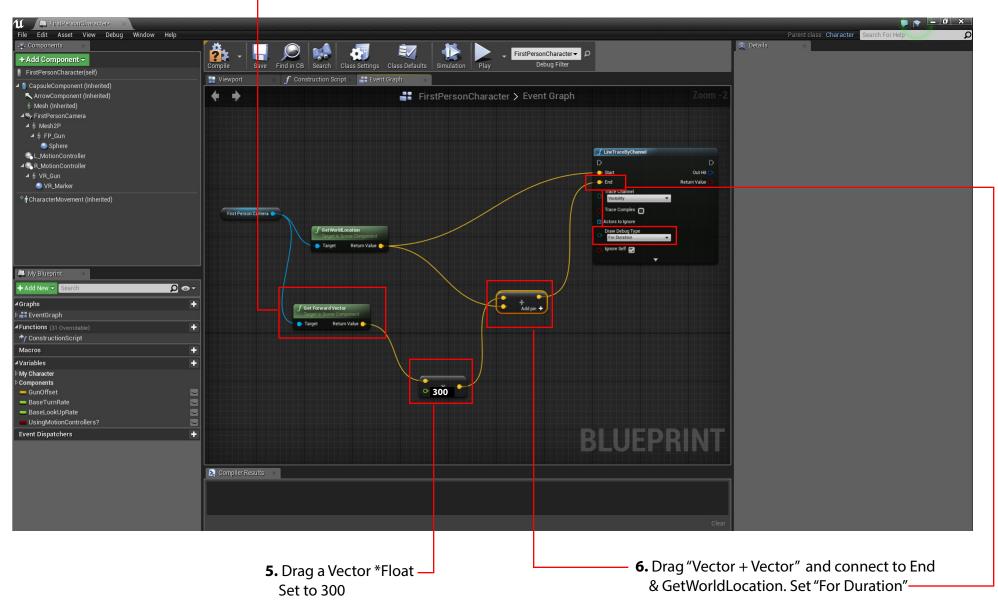


2. Drag the FirstPersonCamera into the Blueprint

**3.** From the Camera drag a WorldLocation and connect to the Start

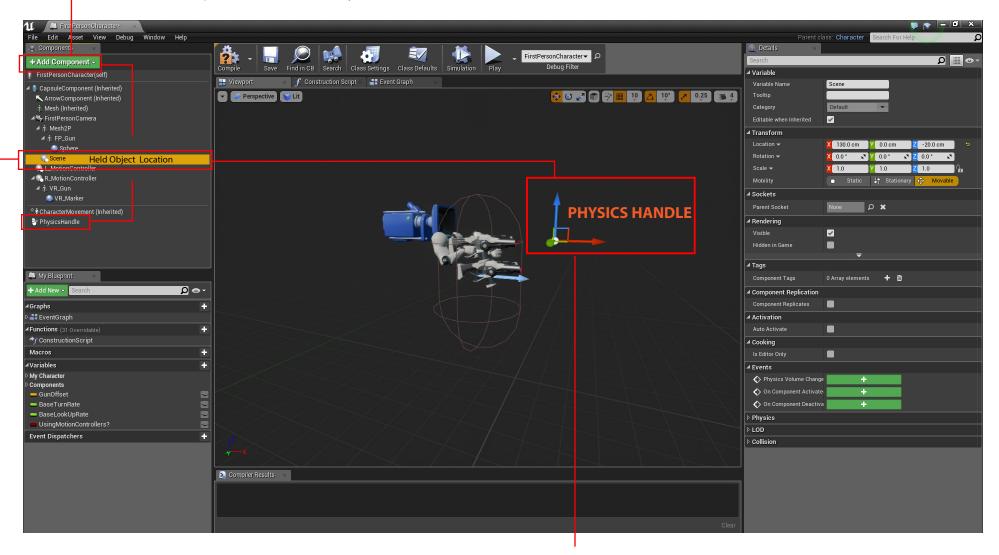
# Socal Roc

4. Drag from the Camera a "Get Forward Vector".



#### Socal Roc

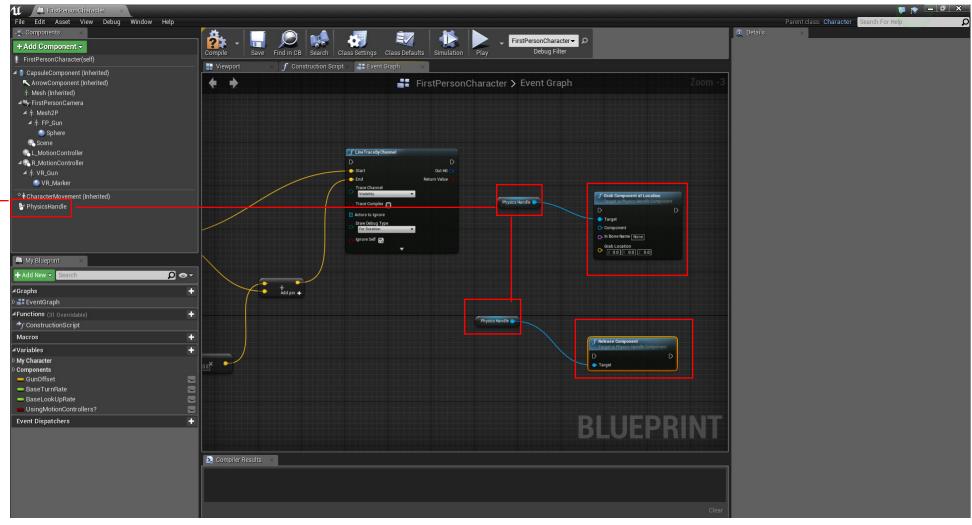
- 8. Click Add Component and create a "Scene Utility". Rename the Scene Utility to "Held Object Location" Make sure the new component is child of the Camera (Drag the component on top of the Camera.)
- 7. Click Add Component and select "Physics Handle"



**9.** Make sure "Held Object Location" is selected then move the Physics Handle in front of the camera so the player can see the thing being lifted.

# Career Technical Education Socal Roc

**10.** Drag two copies of the Physic Handle into the Event Graph

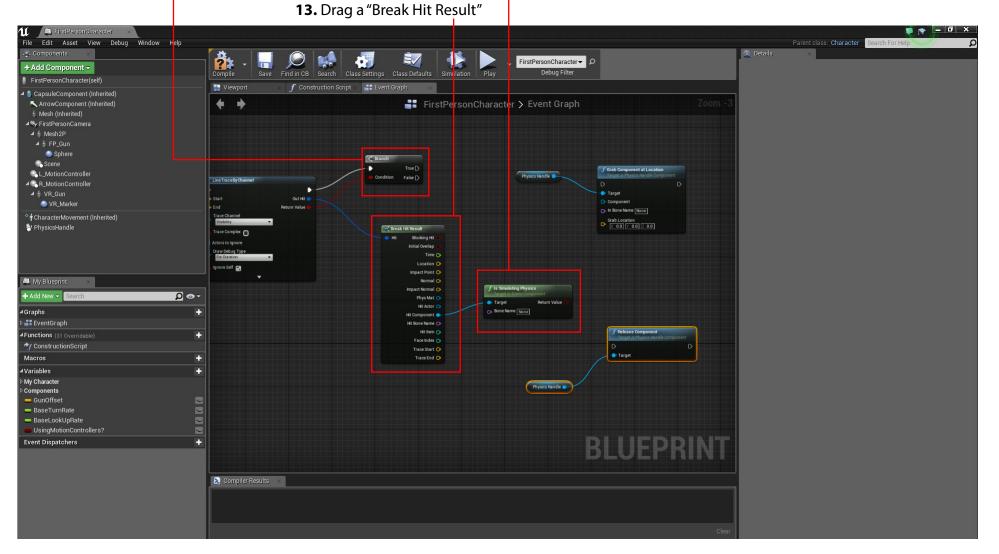


11. Drag and select "Grab Component at Location" and "Release Component".

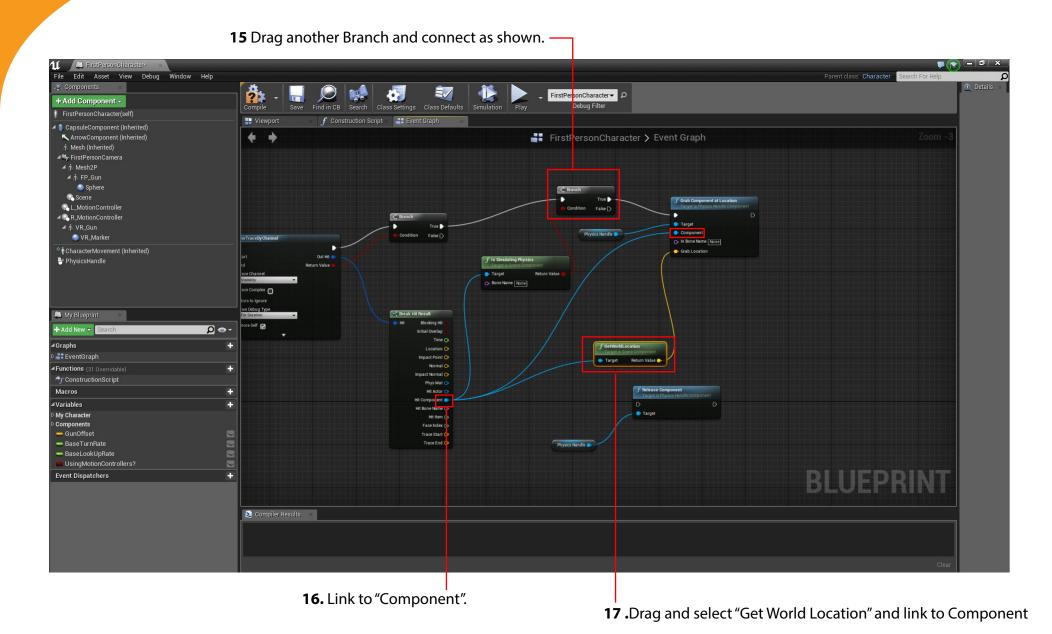
# SoCal ROC

**12.** Drag a "Branch" from the Line Trace

——14. Drag a "Is Simulating Physics"

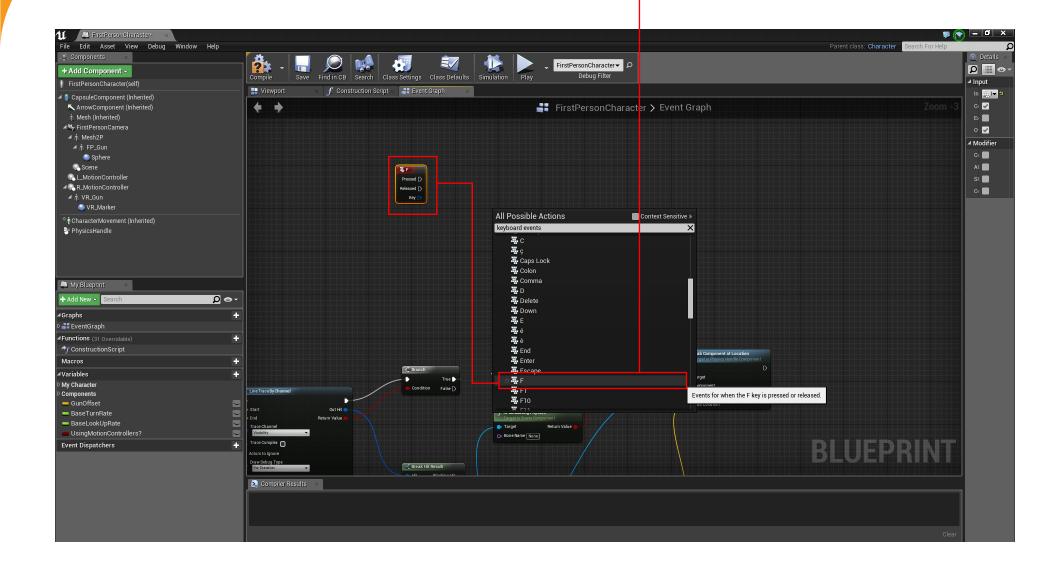


## SoCal ROC



## SoCal ROC

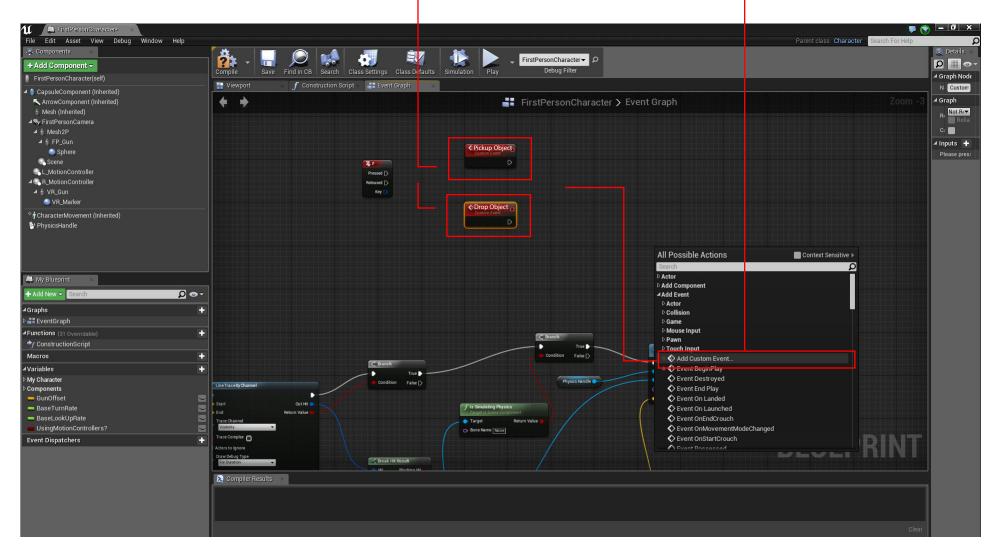
**18.** Right click in the panel and type "Keyboard Events" and select "F"





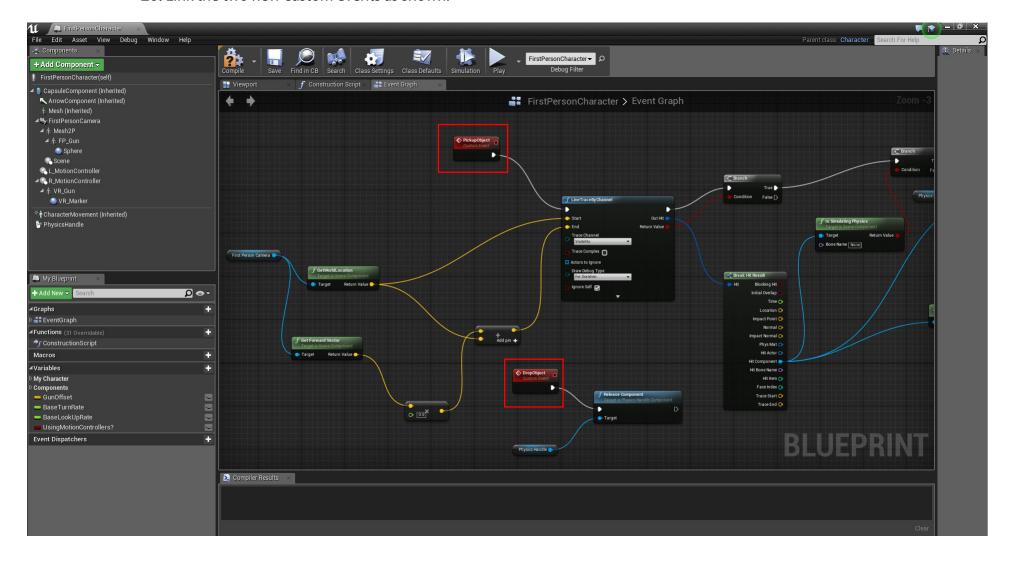
**18.** Right click and add two "Custom Events"

19. Rename them-Pckup Object and Drop Object



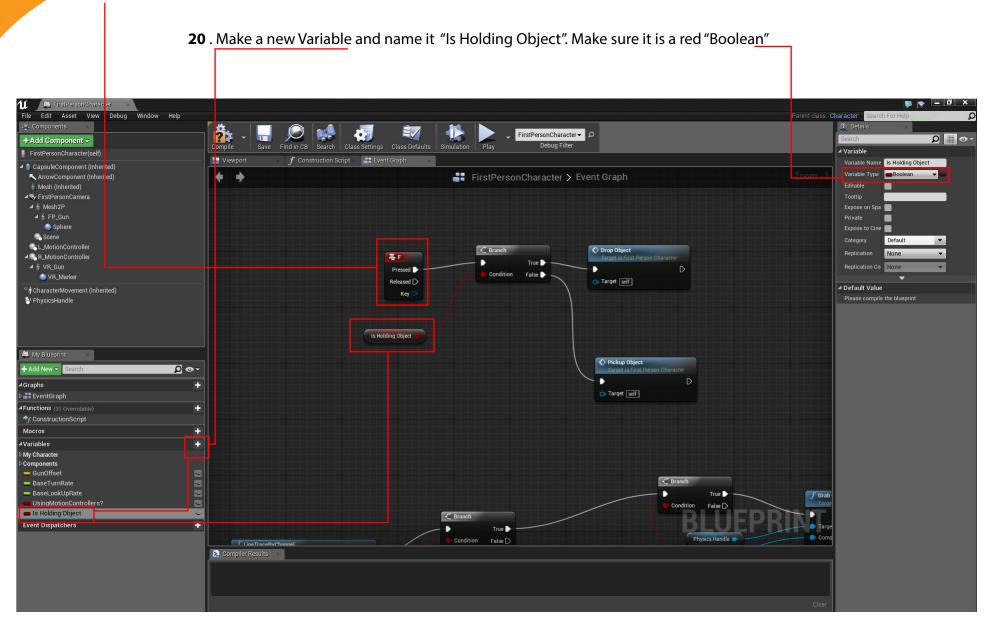


20. Link the two new custom events as shown.



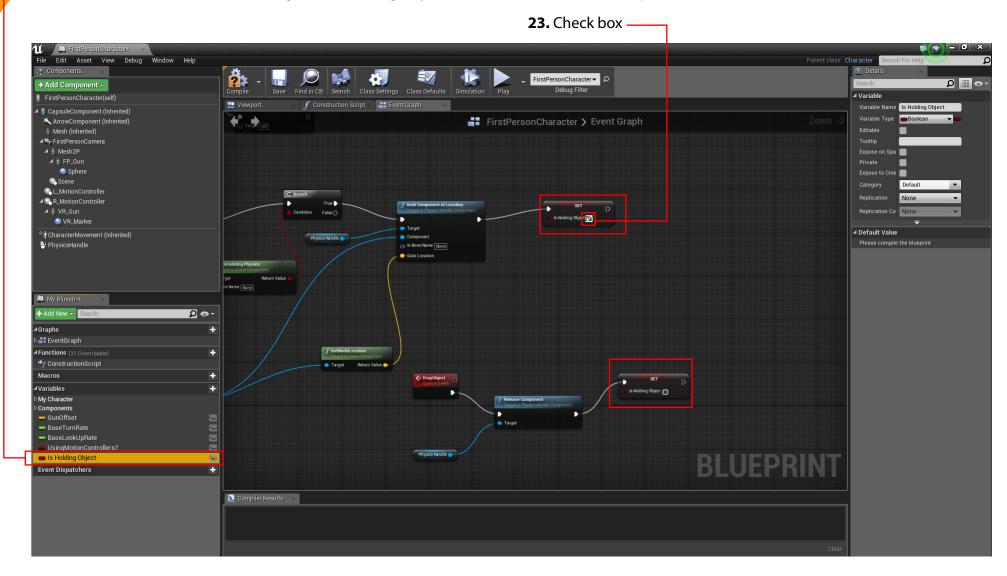
### Socal Roc

**21.** Locate the "F" Keyboard Event.





22 . Drag two "Is Holding Object" variables into the Event Graph and "Set" and link as shown.

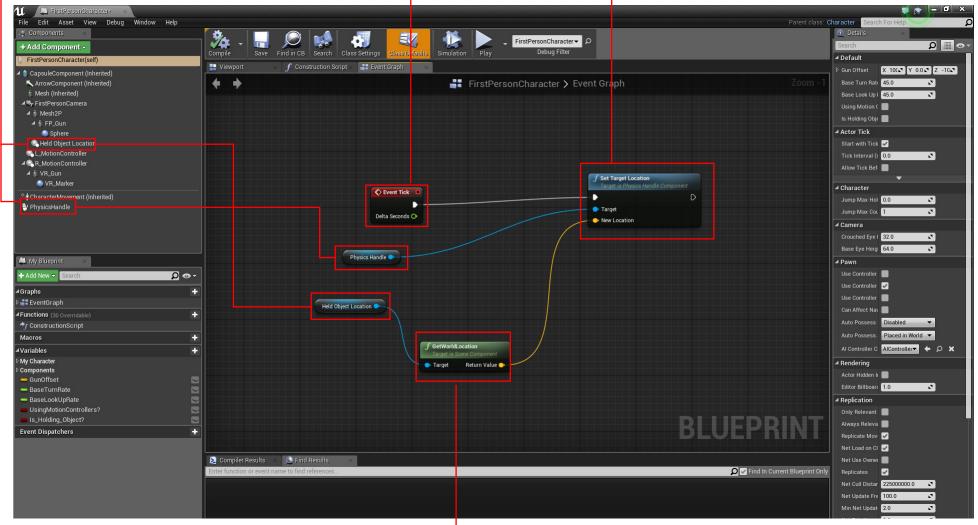




· 24 . Add a new Event Tick

**26.** Pull out your "Physics Handle" & "Held Object Location" from the Viewport

**25.** Drag a "Set Target Location".



27. Drag out "Get World Location" and connect as shown.

#### **COMPILE AND SAVE!!!!!!!!!!!!**



#### Before a prop can be lifted it must have several settings

