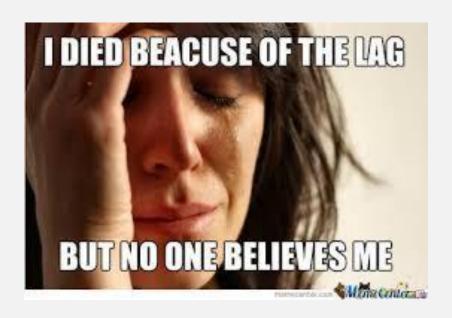# Multimedia Programming

	LEARNING GOAL & SCALE: Standard
4	Student will be successful in level 3 and: ✓ Create a multi-player game that allows users to play on separate computers rather than use the same keyboard/mouse
3	Student will: Implement multimedia programming (Standard 82.0). Create a multi-player game to: ✓ Demonstrate proficiency in creating multiple objects ✓ Include multiple sprites/objects movement
2	Student will: ✓ Understand what a multi-player game is ✓ Identify the basic constructs used in keyboard input ✓ Define: sprite, object, and multiplayer in terms of games
1	With help from the teacher, the student has partial success with the current content.
0	Even with help, the student has no success with the current content.

Work Scenario: You were recently hired to create a multiplayer game but your boss is giving you flexibility to use Unity, GameMaker, or Unreal. The game must allow at least two players but you have the option of making a true multiplayer as well.

Project Instructions

Create a game that has at a minimum- Menu Screen, 1 Level, End screen, and allows more than 1 player to play at a time.

GameMaker Multi-Player Tutorials (**these are for the coding the screen but you must find/create assets for backgrounds and characters, add additional code for game features- do not use the basic circles/squares they do in the tutorial**):

https://www.youtube.com/watch?v=SeWGjaEmuH8

https://www.youtube.com/watch?v=LGXXJ4034Ss

**Above due in two weeks and graded on not only multiplayer functionality but also overall design and entertainment value.

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**Any below you will get additional time for this project- 2-4 weeks as long as you are working hard continuously. If you use Unity be sure it is compatible with our new 2017 version- several

Text Based Unity Multiplayer (18 videos)→
https://www.youtube.com/watch?v=ovUnNJlREIk&list=PLwyZdDTyvuc w5JhBMJxFwsYc1EbQYxr0G

Unity FPS Multiplayer (32 videos)→

https://www.youtube.com/watch?v=UK57qdq_lak&list=PLPV2KyIb3jR5 PhGqsO7G4PsbEC_Al-kPZ

Unreal Engine Third Person Multiplayer (24 videos)→
https://docs.unrealengine.com/latest/INT/Videos/PLZlv_N0_O1gYqSlb GQVKsRg6fpxWndZqZ/_XyjMeAb3fw/index.html