

Multimedia Programming

LEARNING GOAL & SCALE: Standard	
4	Student will be successful in level 3 and: <ul style="list-style-type: none"> ✓ 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 52,53,54). Create a multi-player game to: <ul style="list-style-type: none"> ✓ Demonstrate proficiency in creating multiple objects ✓ Include multiple sprites/objects movement ✓ Code programs ✓ Use online reference materials (tutorials, manuals, forums) ✓ Plan game design
2	Student will: <ul style="list-style-type: none"> ✓ 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 using Unity and C#. The game must allow at least two players but you have the option of making it a local co-op or online multiplayer.

Learning Target: Create a multi-player game using coding.



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. **Feel Free to find your own tutorial.**

****Most of the below needs additional design elements/assets added to them. Most solely cover multiplayer functionality and player movement.****

Among Us (3 different tutorial sets but they go quick)

<https://www.youtube.com/watch?v=zVcZDwaevXU&list=PLWeGoBm1YHVgCFibptBSJZM68sjwtAe8g> **Among Us Mini tasks**

[https://www.youtube.com/watch?v=SPPuculq7-](https://www.youtube.com/watch?v=SPPuculq7-8&list=PLWeGoBm1YHVjGUSP_2ZQ-EIYJOB3naX6Q)

[8&list=PLWeGoBm1YHVjGUSP_2ZQ-EIYJOB3naX6Q](https://www.youtube.com/watch?v=c2x5ecNxEtM&list=PLWeGoBm1YHVjxcJNJMTM8j4DedvNn_ASC) **Among Us Networking**

https://www.youtube.com/watch?v=c2x5ecNxEtM&list=PLWeGoBm1YHVjxcJNJMTM8j4DedvNn_ASC

All Multiplayer setup, player movement and player collection. Would need to add assets/design.

<https://www.youtube.com/watch?v=eeltpANw890&list=PLLRtBCG8HXT7YTp32GwHoJgq1YoFljXgL&index=6>

All Multiplayer setup, player movement and player collection. Would need to add assets/design.

<https://www.youtube.com/watch?v=NA5rO8j21JY&list=PLS6sInD7ThM0nJcyLfxgP9fnHKoQMJu-v&index=5>

Unity 2D Scorched Earth-like Multiplayer Game (9 videos) → Should have good experience to use these as he jumps all over the place

<https://www.youtube.com/watch?v=NCT-kQZ8WFY&list=PLbghT7Mmckl4x0t04ZfVdk7zLJsNTzFIX>

Unity Multiplayer Lobby Tutorials (10 videos) → ONLY LOBBY will need to make a game based on it!!

<https://www.youtube.com/watch?v=9DUCCWFG5cU&list=PLLH3mUGkfFCVSV6Q1UJE7Ge6UfhGzRAnH>