



Build a game

Name: _____

Date: _____

Instructions: No answer bank: write or fix the Lua code. Number the steps in order, answer the case study questions, explain the key terms, then write full-sentence answers and plan the extended answer.

1. Code puzzles

Question	Working and answer
Which property stops a platform falling?	
Write a line that sets health to 0 for humanoid h.	
Which event finds the player at the finish?	
Write: print You win! when finish is touched.	
What returns nil if a part is not a character?	

Did you know?

- Obby is short for obstacle course.
- Spawn locations set where players start and restart.
- Many famous Roblox games began as small projects by young coders.
- Game designers call each improvement round an iteration.

Background

Real coders plan first. Our Level 1 game is Catch the Fruit : fruit falls from the sky and a basket catches it. Our Level 2 game is a mini obby , an obstacle course in Roblox. Write down: the goal, the player, the rules, and how you win.

2. Steps in order

Number the steps 1 to 6 (1 = first).

Build:	Make the sprites or parts
Test:	Play it and fix bugs
Code:	Add events, loops and ifs
Share:	Let someone play and listen to them
Plan:	Write the goal and rules
Score:	Add a variable for score

4. Key terms

Key term	What does it mean? Give an example.
Game design	
Obby	
Play-test	
Anchored	
Humanoid	

3. Case study

Tayo's obby is finished. His sister play-tests it. She falls at the third jump ten times and says the game is boring. Tayo thinks she is just not good at it.

Case study: Tayo's first play-test

1. What does the play-test tell Tayo?

2. How could he fix it?

3. Why should he listen to feedback?

5. Think it through

1. Explain how a lava part uses events and conditions together.

2. Explain what iterate means for a game designer.

6. Longer answers (full sentences)

1. Describe the full plan for a mini obby.

2. Which variables might an obby need?

3. How would you make the obby harder in level 2?

4. Explain in your own words: Why is play-testing important?

7. Extended answer

Extended answer: 'A game is never really finished.' How far do you agree?

Plan: introduction · point for (example) · point against (example) · conclusion with your judgement.
