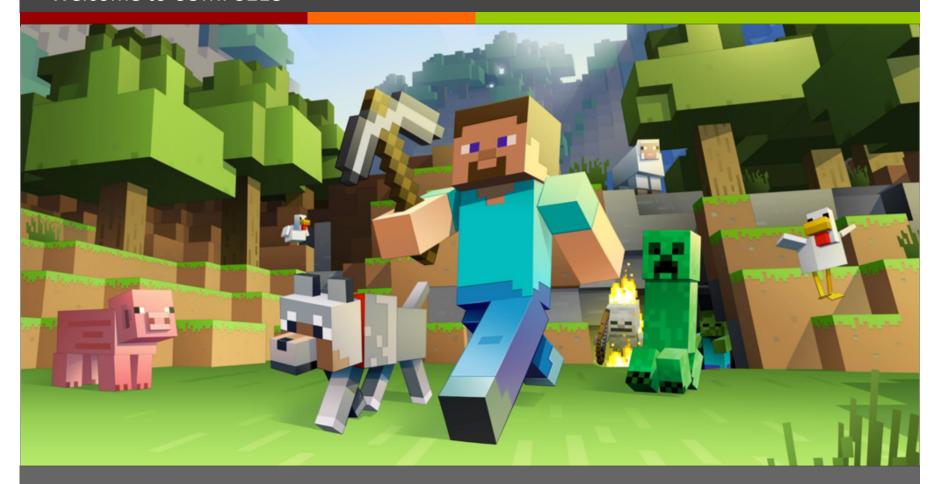


Games Design and Development

Welcome to COMP3218

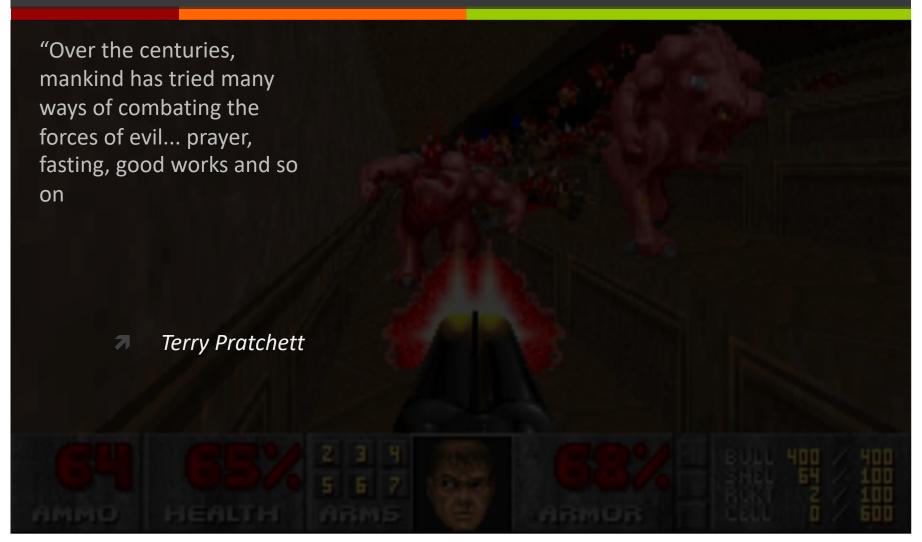


Games Matter

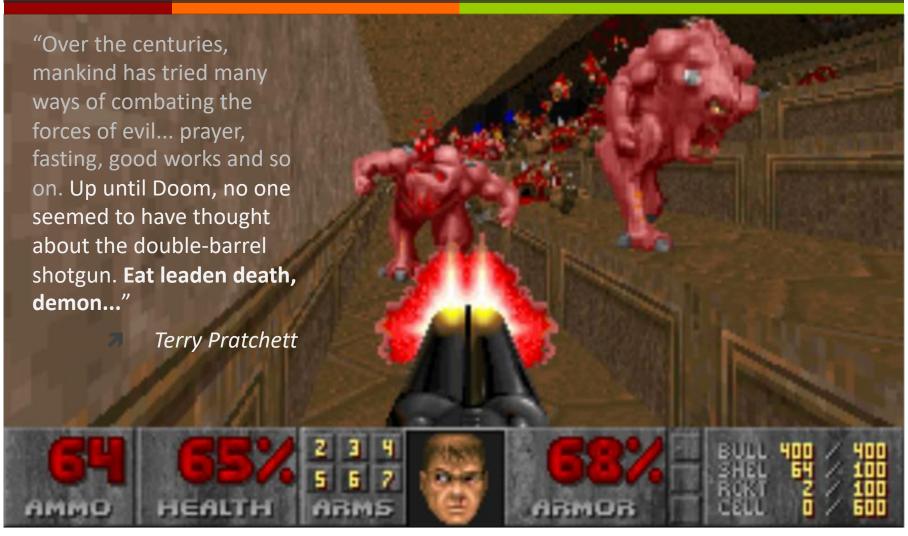
- "Life is more fun if you play games."
 - Roald Dahl, My Uncle Oswald
- "Games lubricate the body and the mind."
 - Benjamin Franklin
- "Reality is broken. Game designers can fix it."
 - Jane McGonigal

Computer Games are our medium, our culture, our means of expression. They matter because they reflect us.

Games Matter



Games Matter



For Everyone



We believe that everyone, **no matter what gender**, **sexual orientation, ethnicity, religion or disability** has the right to play games, criticize games and make games without getting harassed or threatened. It is the diversity of our community that allows games to flourish.

- If you see threats of violence or harm in comments on Steam, YouTube, Twitch, Twitter, Facebook or reddit, please take a minute to report them on the respective sites.
- If you see hateful, harassing speech, take a public stand against it and make the gaming community a more enjoyable space to be in.

Because Games Matter!

Horizon Zero Dawn

Who Are We?

Who Are We?

David Millard

@hoosfoos | davidmillard.org | dem@soton.ac.uk



Who Are We?

age chapman

Adriane.Chapman@soton.ac.uk





Structure



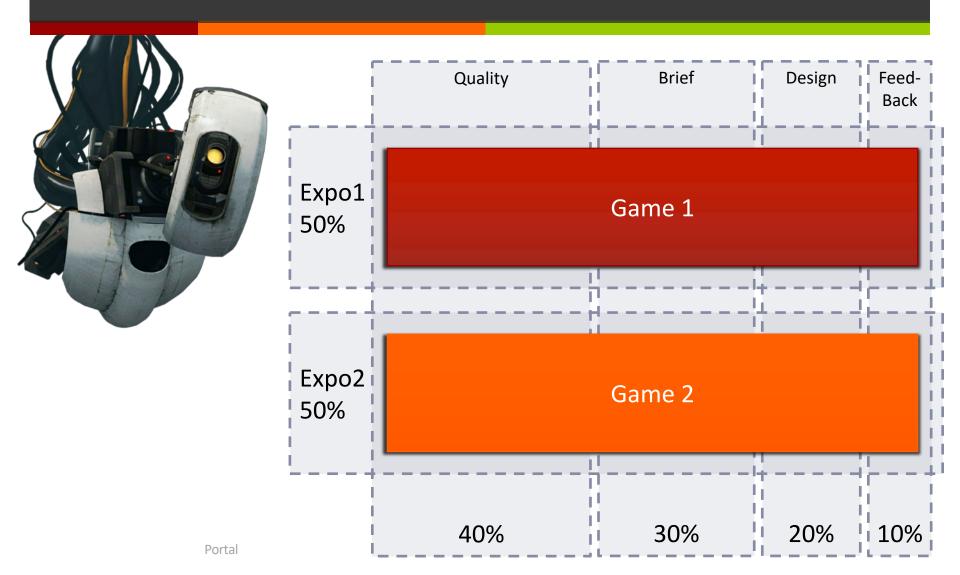
- We have two objectives:
 - 1) To make you think more deeply about games
 - 2) To give you direct experience of making games
- So the course is based around two Unity game development activities done in pairs
- Each lasts five weeks
- Different pair for each activity
- Each finishes with an Expo where you show your games to each other and other students

How Will You Be Assessed?



For each Expo:

- You submit a 1 page document answering key questions about your game
 - Related to the ideas and theories from the course
 - Explaining how you responded to feedback from labs
- You submit the game itself as a runnable game (a windows .exe), and as a project (.zip)
- We mark the submission as one, you will get
 - **public** feedback in the form of a Let's Play video
 - We will compare your game to the marks criteria
 - But will not discuss marks (you get a private email instead)
 - Search for COMP3218 on YouTube for previous years'
- **There is no exam**. 100% of marks come from the 2 games. Marks are shared equally between your pair.



Structure

	Week	Lectures (Tue 9-11am)	Lab (Thu 3-5pm)	Person
	1	Intro to the Course and Unity	No lab	all
	2	Game Structures and Elements	Unity Workshop	age
Sprint 1 Game Design Basics	3	Mechanics, Dynamics, and Interactions	Sprint Workshop	age
	4	Level Design and Tutorials	Sprint Workshop	tb
	5	Balance and Difficulty	Feedback Workshop	dem
	6	Adaptivity and Procedural Generation	Sprint Workshop	age
	7	Interactivity, Agency and Non-linear Narratives	Expo 1	dem
Sprint 2 Narrative	8	Writing for Games: Form and Technique	Sprint Workshop	tb
	9	Game Narrative Design and Poetics	Sprint Workshop	dem
	10	Innovation in Games	Feedback Workshop	dem
	11	The Games Industry Guest Lecture	Sprint Workshop	all
	12	No lecture	Expo 2	

FASTE





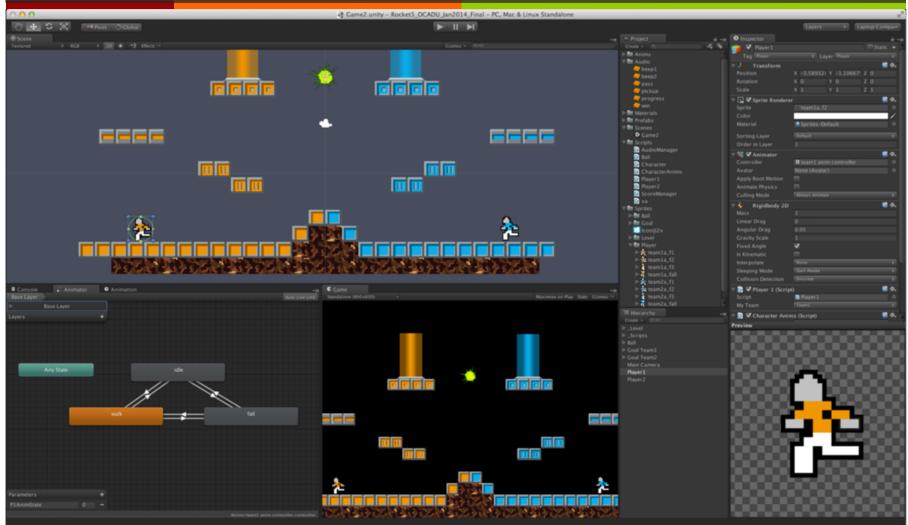
In this course we will use Unity

- Cross-platform Game Engine
- 2d and 3d support
- Scripts written in C# and JavaScript
- Download Unity from <u>www.unity.com</u>
 - Free Personal Edition is sufficient
- □ Great Tutorials at <u>www.unity.com/learn</u>

Red Dead Redemption

Example Screen





Alternatives to Unity



- General Platforms
 - Unreal Engine (suite of game dev tools)
 - Gamemaker (drag + drop with simple scripts)
- Genre Specific
 - Twine (web-based tool for creating IF)
 - Inform 7 (natural language tool for IF)
 - AGS (tools to create graphic adventure games)
 - RPGmaker (tools to create 2d (J)RPGs
- For this course **please use Unity** it's a powerful, flexible and popular engine knowing it will only do you good!

Labs

Lab (Thu 3-5pm)

No lab

Unity Workshop

Sprint Workshop

Sprint Workshop

Feedback Workshop

Sprint Workshop

Expo 1

Sprint Workshop

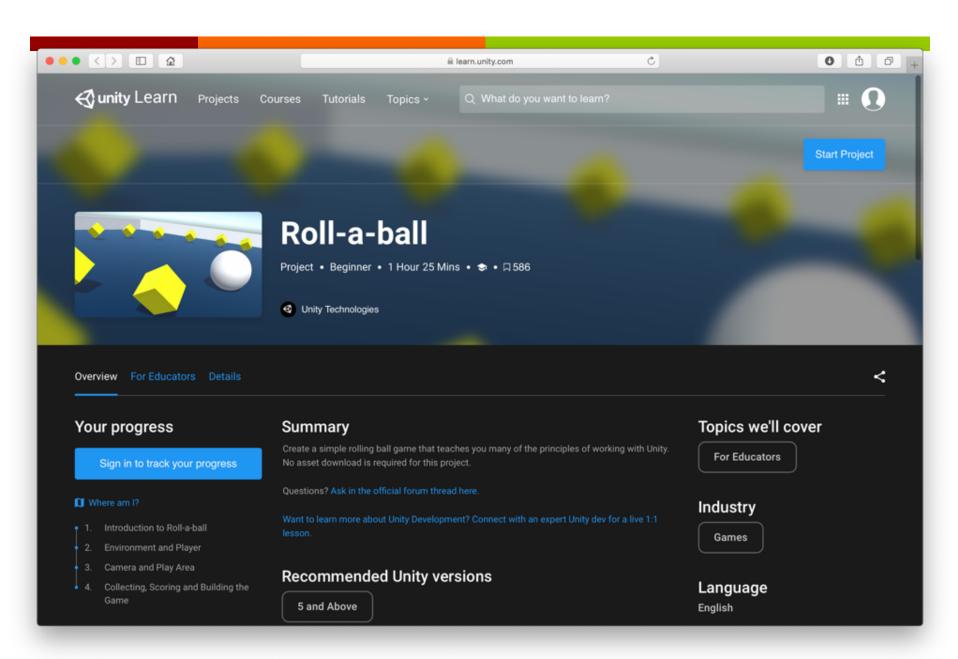
Sprint Workshop

Feedback Workshop

Sprint Workshop

Expo 2

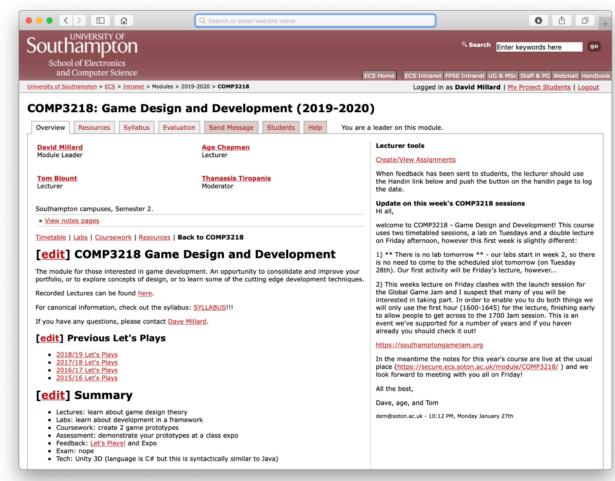
- **Tuesday 1500-1700, building 25/1009**
- Plenty of Machines with Unity (2 per pair)
 - Welcome to bring your own machine
 - Unity personal license is free
- There are four types of lab event:
 - 1. Unity Workshop work through a Unity Tutorial
 - 2. **Sprint Workshop** work with partner on your game
 - 3. Feedback Workshop get feedback on your game idea
 - **4. Expo** show off your games to each other
- Relatively unstructured but demonstrators will be there to answer questions and help where possible



Roll-a-ball tutorial

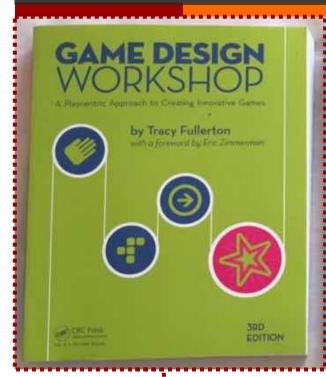
Website

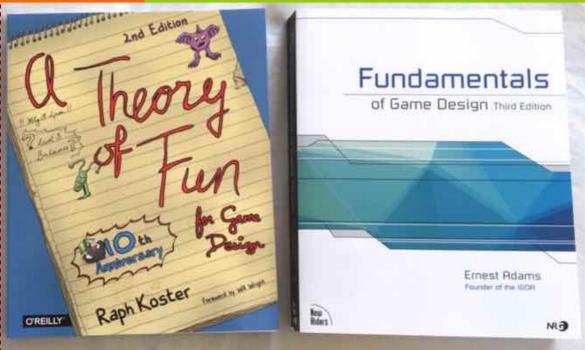
- 7 Timetable
- Presentations
- Tutorial Links
- Expo Info
- 7 Resources



https://secure.ecs.soton.ac.uk/module/COMP3218/

Books + Resources





- Course Text: Game Design Workshop
- Available online as a PDF* or through the library

Online Resources



- YouTube channel on all aspects of game design
- Started by James Portnow and Daniel Floyd
- Links to relevant episodes on our website



- Free online version of Game Developer Magazine
- Lots of info on the games industry
- Case studies of real problems tackled in real games

www.extra-credits.net www.youtube.com/user/ExtraCreditz

www.gamasutra.com

Pitfalls



Creating Games is fun and absorbing

DON'T SPEND TOO MUCH TIME ON IT!

- Expectation is 8 hours a week (inc lectures!)≈ 25 hours of dev time each per Expo
- The goal of each Expo is not a **complete** game there are no marks for scale!
- Work on creating a small playable prototype that fulfills the brief

Prince of Persia

Pitfalls 2



Creating Games is fun and absorbing

DON'T FORGET THE GOAL!

- This is not about creating random games
- For each Expo you will be expected to demonstrate a **specific thing**
 - **7** 60% of the mark is for this!
- A good game will get a bad mark if it does not fulfil the brief!

Prince of Persia: The Sands of Time

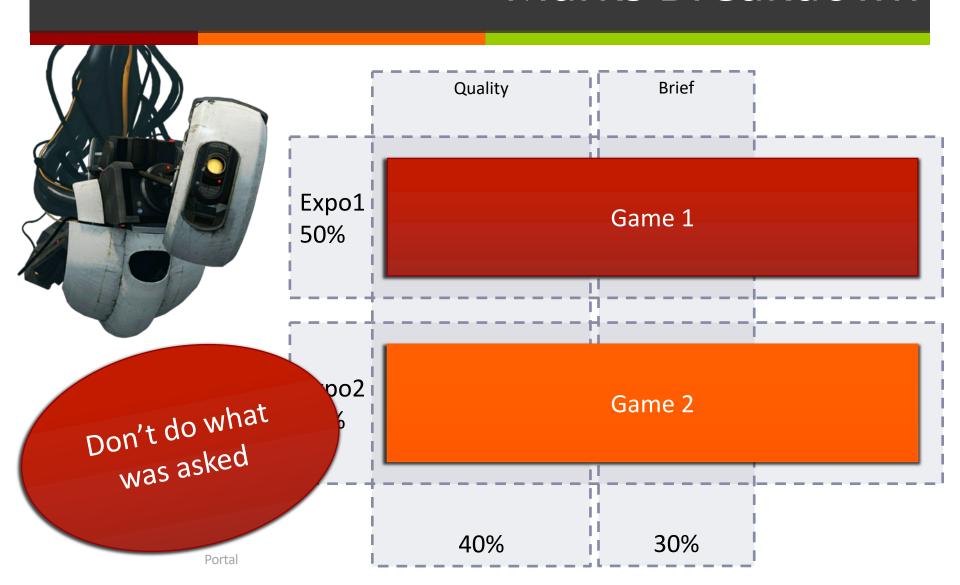


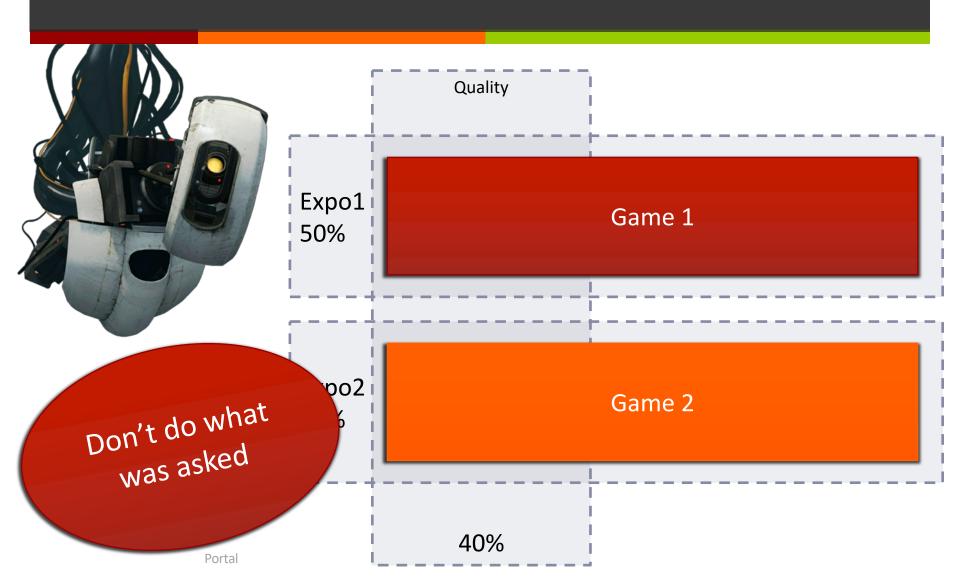












Extra Credits – Ludus Florentis

Discussion: Are Games Art?



Thank You

COMP3218 Website: https://secure.ecs.soton.ac.uk/module/COMP3218/



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age chapman



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