## Types of games

Ask yourself, rather than look up an answer in Wikipedia or whatever:

- What motivates a player to play a game? If "fun", what makes it fun?
- · What sorts of player objectives or fantasies do games encourage?
- What sorts of simulated activity do players perform?
- · What sorts of game-play mechanics are available?
- How important is technology (console, controller, peripheral) to particular games?

http://www.makeuseof.com/tag/10-video-games-that-changed-the-world/

http://csimoodle.ucd.ie/moodle/course/view.php?id=362 COMP30540 Game Development

We said about what makes games fun ...

Competitively [Strangers; Creativity Practice eg power with no [1st time; Repeatedly; Long time]

Escape from reality Self (past): real risk Gets you involved AI/Bots/Computer] Fantasy Pastime [Long term; Short term] Money [Guns; Academic

Cars; Relationships] [Learning mouse skill; children; Social aspect Stories Health eg Wii Emotions [Happy; Adrenaline] Be scared adults1 Gambling Challenge

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2 ... We said about what makes games fun ...

[Empowering; Leaderboards (arcades)]

Testing skills [eg decision making: selection/promotion]

Committing crimes Develop/test strategies Adventure Exploration

Tick all the boxes

Immersion Collect/Find "easter eggs"

Win prizes

3 ... We said about what makes games fun ...

Discover different ending Exponential asses growth Exploit VR New content available

[In-game currency; better stuff: upgrades Explore infinity, neverending Get better with large game weapon armour Repeated gratification [Addiction] Try different styles, setups powers]

Money – becomes 2<sup>nd</sup> job Varying game [Varying situation Higher difficulty] Meet pals Climb steep learning curve

We said about ...

How you find games How you control game What you control in gar

Keyboard Characters from peers from ads Mouse [Single: tumble on YouTube Touchscreen Multiple recsys Controller in strategy games] platforms Voice World [Challenge for ai; Gyroscopes MotionControl be God1 Kinect Steering Wheel Choose among options Vehicles Guitars Guitars etc Drums Economy Armies, Nations Dancemat

VR headsets

Puzzle pieces

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Apparatus

What makes it fun
Quantifying – getting points, etc
Bodily movement
Realistic experience
Use of apparatus
Wish fulfilment Apparatus
Steering wheel, joystick
Nunchucks, Wii stuff, Kinect
- balance board, tennis racquet, dancen
Accelerometer
Heart rate sensor
VR – Oculus Rift etc
PS4 (lighting feedback when in danger)
Mouse, Keypad

fantasy fulfilment without jail ood story

Good story Novelty of experience Challenge Sensory feedback Easter eggs Makes you sad, angry How many players

Makes you sad, angry
Dannce
Escape from reality
Cooperation
Leader board supremacy
In game self improvement / upgrae
- strength speed dexterity stuff
- can face harder enemies
Social ge FaceBook
Replayability
Exploration
Importance, Fantasy
Customisability
Makealism
Imaginality

What game mechanics are available

Cooperative - multiplayers, 2-player, 1 with AI ally Solo vs AI MMO Mis: Campaign and Solo - pokemon eg Multiverse

Multiverse

What sort of simulated activity

> What objective do you adopt

On free game development software tools ...

- Note free Game Maker may be time-limited, if so don't waste its time allowance reading docs, use browser independently. Docs don't print properly imho.
   Some are pc-only; some are pc for development but can deploy to macs & others
- Respect software developers' right to a life and a livelihood .
- Plenty of other info is available.

Google "game development software feature comparison"
Google "indies guide to game making"

http://csimoodle.ucd.ie/moodle/course/view.php?id=362 COMP30540 Game Development

## Genres

A character (seen or not); A weapon? A vehicle? An economy? An army?

Wikipedia: http://en.wikipedia.org/wiki/Video\_game\_genres

(<u>http://www.pixelprospector.com/the-big-list-of-game-making-tools/</u>) useful!

http://www.pixelprospector.com/iv-video-game-genres/

Essentials: https://www.cengagebrain.com.mx/content/9781133578703.pdf (Extract of Introduction to Game Development, Steve Rabin (ed), 2010)

(Redirects to CEngage shopping site 28/1/2019) http://csimoodle.ucd.ie/moodle/course/view.php?id=362 COMP30540 Game Development

Compare & Contrast

Wikipedia

Control of a character

What kind of movement is "the character" (possibly a misnomer) capable of?

- No movement (any examples? Some economic-strategy games?)
- 1D Predetermined path "on rails shooter"
- 1D side-to-side, eg Pong, Space Invaders (misnomer)
- Rotating (eg MuShoot)
- 2D continuous, eg Angry Birds (misnomer); or maze, eg PacMan
- 2D grid of cells, eg rogue-like games, SimCity
- 2D platformer
- by.com/retro/platformers/platforming-games-101-all-you-need-to-know
- · 3D platformer or other