

Documentaries on Video Games	HE HERE
 History: Video Games: Behind the Fun (2000) Available on Netflix 	
 PBS: The Video Game Revolution (2004) video.google.com/videoplay?docid=-4729348985218842392 	Re.
 Discovery: History of Video Games (2006) video.google.com/videoplay?docid=3637639460474263178 	
ON Networks : Play Value (2009) www.onnetworks.com/videos/play-value	
 History of Video Games (WWW) en.wikipedia.org/wiki/History_of_video_games 	Discovery
en.wikipedia.org/wiki/ List_of_films_based_on_video_games# Documentaries_on_video_games	
UC Berkeley CS39N "The Beauty and Joy of Computing" : Comes (3)	080

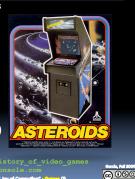






History of Video Games : 1970s

- Golden age of video arcades
 Pong, Space Invaders, Asteroids,
 Pac Man
- 1st gen consoles (1972–1976)
 Magnavox Odyssey
- Mainframe computers
- Hunt the Wumpus, RogueHome computers
- Type the program in!
- Floppies, Tapes. Zork, others.
 2nd gen consoles (1977–1984)
 Atari 2600, Intellivision,
- Colecovision, Activision en.wikipedia.org/wi





History of Video Games : 1990s

- Decline of arcades
- Handhelds come of age
- GameBoy, Sega Game Gear
- Mobile phone gaming
 Fourth generation consoles (1990–1994)

Sega Genesis, Super NES
 Sifth concration consolor

- Fifth generation consoles (1995–2000)
 Playstation, Nintendo 64
 - (with Super Mario 64)
- Transition to 3D, CDs

 Crash Bandicoot, Tomb Raider



000







Design of a Casual Video Game Staff requirements Can be done by one person, ala days of old Bigger teams also (< 10) Lots of new developers Phones great platforms iPhone dominates field Students are signing up! Time to completion • Often only a few months! 000

Design of a Core Video Game Staff requirements Cross-disciplinary CONFRONTATIO Producer, programmers, game, graphic & sound designers, musicians, testers, 100+ person teams Similar to film Often, games->film, and film->games • Lucasfilm, etc. want to tie assets together <u>@0</u>9

How : 3D Computer Graphics Similar to making a 3D animated film... • Model characters, environment in 3D

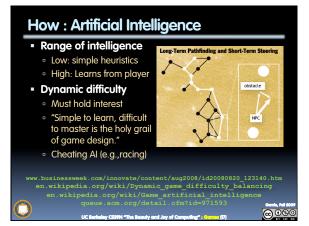
- Add shading + lights + effects + behavior
- Let 3D rendering engine (on graphics card) do the work of figuring out 2D scene from 3D
- Limitations
 - Many things are too "expensive" to do in 30 frames per second





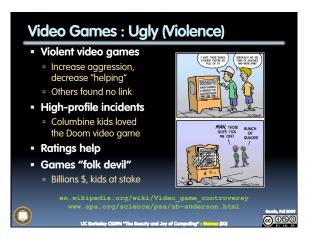


<u>©090</u>









<section-header><section-header><section-header><list-item><list-item><list-item><list-item><list-item><list-item> <section-header> **Description Outpue Outpue**<