



# John Seely Brown

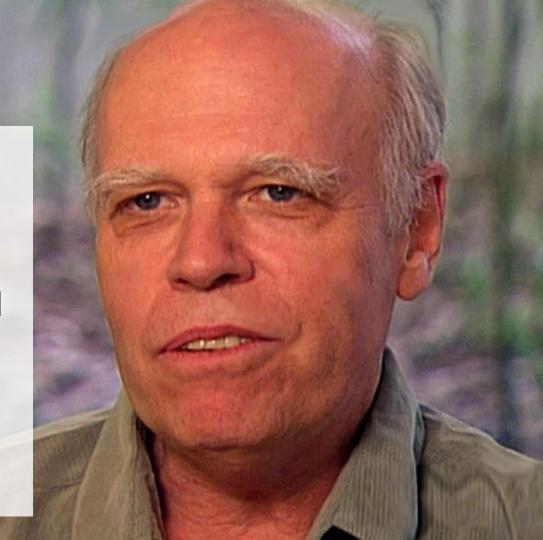
"I would rather hire a high-level World of Warcraft player than an MBA from Harvard."

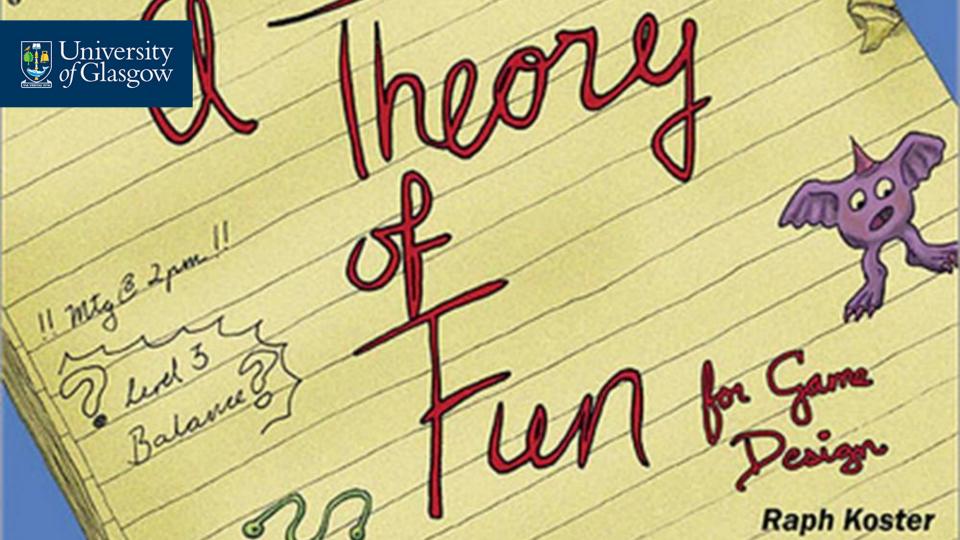




# **James Paul Gee**

"Learning is a deep human need, like mating and eating, and like all such needs it is meant to be deeply pleasurable to human beings."















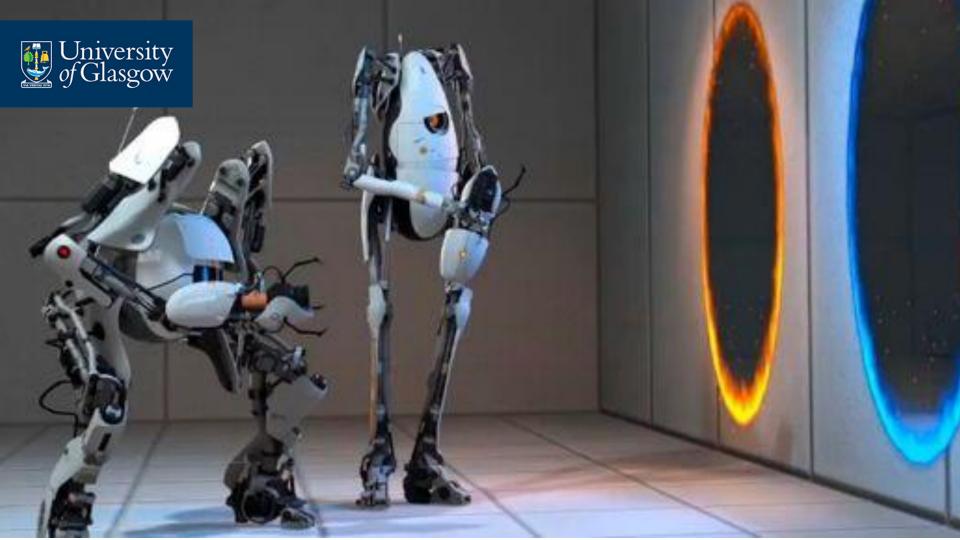
# RESOURCEFULNESS

Because one day, a paperclip might save your life







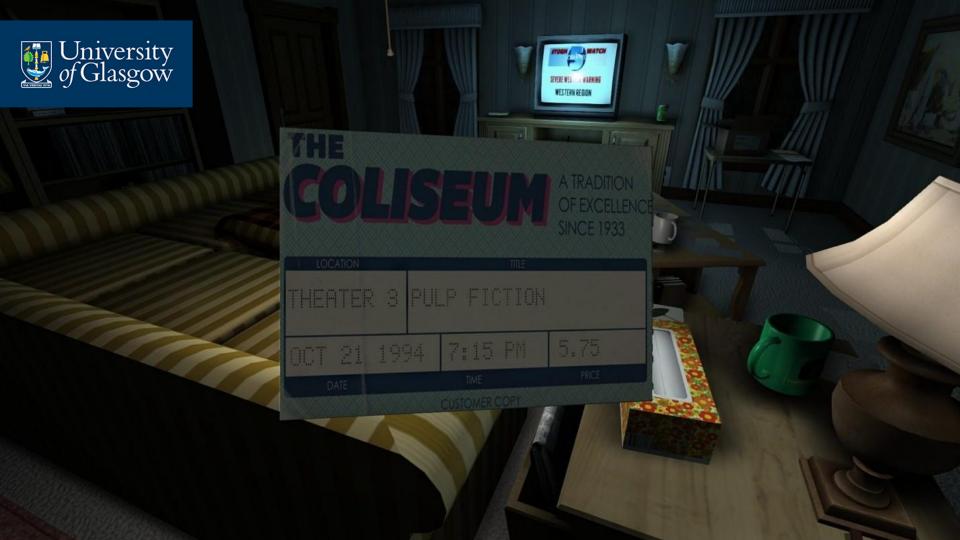














**Adaptability** 

Resourcefulness

| University of Glasgow |            |  |
|-----------------------|------------|--|
|                       | <b>一种,</b> |  |

11.31

9.69

15.99

9.71

-8.25

0.25

|               | Control |      | Intervention |      | Difference in means |         | p-<br>value | 95% CI  |
|---------------|---------|------|--------------|------|---------------------|---------|-------------|---------|
|               | Mean    | SD   | Mean         | SD   | Absolute            | Cohen's |             |         |
|               |         |      |              |      |                     |         |             |         |
|               |         |      |              |      |                     |         |             | 12.79   |
| Communication | -2.8    | 5.65 | 4.94         | 8.41 | 7.74                | 1.1     | 0.004       | to 2.69 |
|               |         |      |              |      |                     |         |             |         |
|               |         |      |              |      |                     |         |             | 31.32   |

18.07

11.42

19.56

9.44

1.15

0.9

0.002

0.013

to 7.8

16.77

to 2.11



### Group

The percentage of participants in the intervention group (69%) with improved communication scores was greater than the percentage of participants in the control group (25%) with improved pos communication scores (p = 0.016, Fisher's exact test).



# Results

Pre- and post-test results indicate significantly improved gains on the three measures for the game-playing intervention group versus the control, with differences of between 0.9 and 1.15 standard deviations in test scores. 95% confidence intervals calculated for the difference between mean scores for the control and intervention groups did not cross zero, further supporting the idea that playing video games at university may help develop students' employability skills.





# **Effective Communicators**

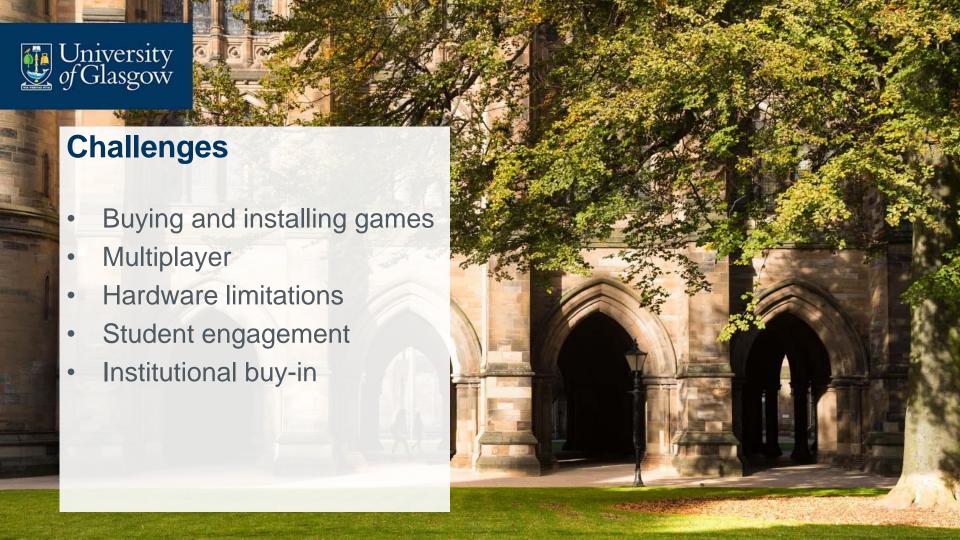
"Definitely, yeah, because they all have like a multiplayer aspect to them, and you're having to work with other people and talk to each other. So it'd definitely help with that."

- Participant L, female, age 18











#### Video games could boost university skills, study finds

() 5 June 2017 | Glasgow & West Scotland



Playing video games could help young people be more successful at university, according to a new study.

A University of Glasgow trial found gaming improved communication skills resourcefulness and adaptability.



Video games DO make you smarter: Playing Minecraft and Lara Croft is linked to success at university



#### Playing video games 'improves students' employability skills'

University of Glasgow research indicates students can improve communication and thinking ability by playing computer games

#### THE IRISH NEWS



MAGAZINE Science Technology All Entertainment Movies Music TV Soaps

#### Video games could help young people succeed later in life



June 6, 2017 LUPDATED 14:05 IST

# X-BOXING

COMPUTER gamers are more likely to succeed at university, a study suggests. A couple of hours' play a week

boosted students' communication.

They also became more adaptable and resourceful after just eight weeks. Games tested included Minecraft, Warcraft III and Lara Croft, Research-

ers at Glasgow University said the games forced players to find multiple ways of completing a task.

added this mindset of critical thinking and learning is needed to get a good degree and job. Study head Matthew Barr joked: "This

isn't what parents may like to hear."

#### DAILY®EXPRESS

# **Official: Video games** will make you smarter

By Alison Kershaw

PARENTS despairing at the amount of time their child spends playing video games should take develop key skills such as communication and resourcefulness.



They become like blinking lizards, motionless, absorbed, only the twitching of their hands showing they are still conscious. These machines teach them nothing. They stimulate no ratiocination, discovery or feat of memory though some of them may cunningly pretend to be educational.





## **Published Research**

Barr, M. (2017). Video games can develop graduate skills in higher education students: A randomised trial. *Computers & Education*, 113, 86–97. <a href="https://doi.org/10.1016/j.compedu.2017.05.016">https://doi.org/10.1016/j.compedu.2017.05.016</a>

bit.ly/MattGBL

Barr, M. (2018). Student attitudes to games-based skills development: Learning from video games in higher education. *Computers in Human Behavior*, 80, 283–294. <a href="https://doi.org/10.1016/j.chb.2017.11.030">https://doi.org/10.1016/j.chb.2017.11.030</a>

bit.ly/MattGBL2

