# Games for Learning

Are Schools Ready for What's to Come?

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## A Study with Teachers

How are teachers using technology in school?

Who is using games in school?

What's stopping them?

What's helping them?



### Demographics of Study

- Calgary, Alberta (Canada)
  & surrounding area.
- 4 Public School Districts (~80% urban: 20% rural).
- · Online \*only\*.
- K-12 = kindergarten(ECS) grade 12 (~ages 5-18).



#### Response

- · 109 respondents
- Mostly full-time teachers. (89%)
- · 5-10 years' teaching 34%
- · >20 years teaching 23%
- · Class size: 20-35: 80%
- N students: 25-50 18%, >100 46%



#### Computer use

- · By teachers:
  - · 5-10 hr/week 25%
  - · 10-25 hr/week 44%
- · In class:
- · Simulations & games: 70%
- · Games for learning: 53%



#### Willingness to try

Educational downloads:73%

· Sims: 69%

· Edutainment: 51%

· COTS: 37%

· Custom Games: 38%



Facilitators for use of games:

- . Students (55%)
- 2. Self (55%)
- 3. Professional Development: (53%)
- 4. Colleague (49%)
- 5. IT Specialist (46%)
- 6. Outside friend (43%)



#### Top 10 Barriers

- Lack of time (81%)
- 2. Access to computers (72%)
- 3. Have no games (72%)
- 4. Not a priority for school (70%)
- 5. Lack of knowledge to integrate (68%)
- 6. Not in curriculum documents (67%)
- 7. Lack of teacher training (66%)
- 8. Access to computers for students (62%)
- 9. Lack of technical support (59%)
- 10. Arranging access to training (55%)





#### Was it Worth it?

- · Pilot study.
- · Identified potential stumbling blocks to adoption & acceptance.
- · Need more studies, here & elsewhere.
- · Include paper surveys.
- · Include incentives to respond.





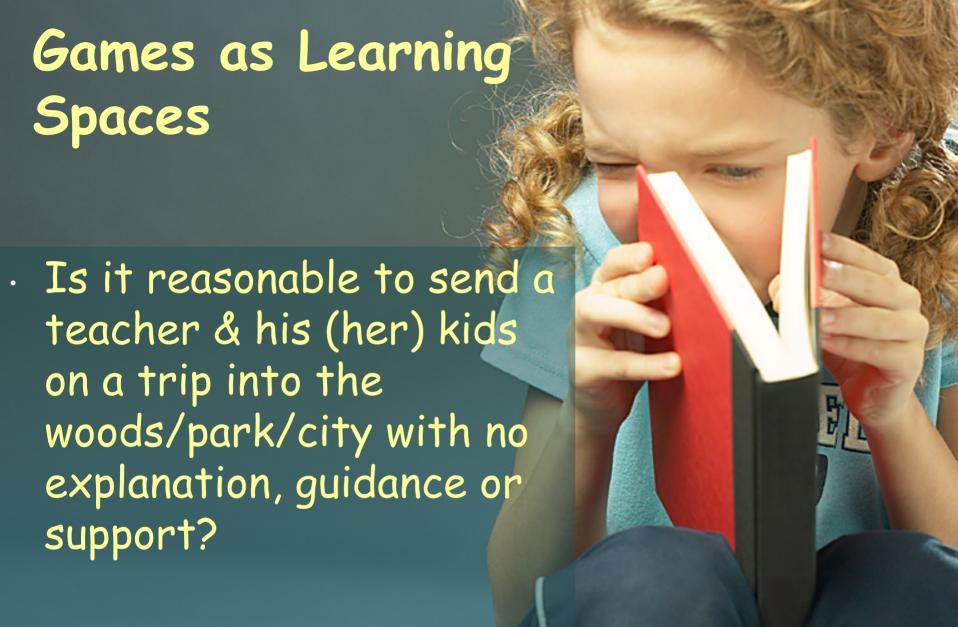
- · Primary barriers:
- · Access
- Support
- . Time

(not really a surprise, but now there's data)









#### The Final Barrier

"As a parent I object to having my child "play" on the computer when he has completed some piece of work. I want my kids working at school....My students come to school to learn not to be entertained.

Would you want your university profs. entertaining you?"

