

Overview

- Introduction
- "Edutainment" then and now
- Educational Game Debates
 - Paradox 1: The Importance of Being Ernest
 - Paradox 2: GD vs. ID
 - Literacies
- ID for ED
- What's Next

A selection of problems & questions – few – answers...

Backstory

- What attracted me to CS
 - What I could do w/ it
- What got me into ID
 - What I could make w/it

My end goal:

Teach Ed game design...?

Understand Ed game design →

Understand game design →

Understand software design / understand entertainment design....

"Edutainment" not-so-great then and now

The good, the bad, & the ...

Problems:

- I Disappear (bury them when they're gone...)
- Someone is bound to say, "Hey! I like that game."
- Try and find someone who will go one record saying something bad about a specific educational game...

None-the-less here I go...

"Edutainment" not-so-great then and now



Mario is Missing





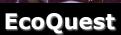






"Edutainment" pretty good then and now







Oregon Trail



NMC Campus, SL





Game Debates

In Game Studies: Ludology vs. Narratology

In Games for Learning: Learning vs. Fun Instructional Design vs. Game Design Game as receptacle vs. Game as method

Educational Game Debates

To make progress in games for learning & educational game design:

Step 1: Admit we have a problem. (actually, we have several)



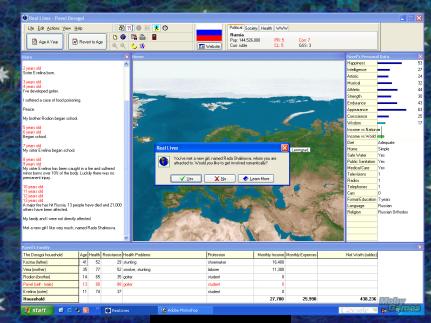
Educational Game Debates

Games Design is all we need.

Instructional Design is all we need.



Grim Fandango



Real Lives

Educational Game Debates



All Instructional Games must have the learning fully integrated into the game story.

We can wrap a game around any instruction and make it more interesting to learners.

"Edutainment" then and now

Did not live up to expectations

- Game designers shied away from ED games
- Educators became suspicious of games

"Edutainment" then and now

Edutainment -> Serious Games Solitary gaming -> multiplayer / social gaming Disciplinary > interdisciplinary **More Gamers** Older Gamers Internet is useful Machines are powerful Google, YouTube, DeviantArt,...

Paradox 1: The importance of being Ernest

Forced to play > no longer game (Roger Caillois, 1961) Play <-> seriousness are opposites (Johan Huizinga, 1950)

"I send my child to school to LEARN, not to have fun." (unidentified teacher)

FUN is a bad word. (FUN = frivolous = wasted time) Engagement isn't.

Paradox 2: GD vs. ID

Instructional Design

Content (what)
Receptacle for content
Vantage Point: Formal
Education

Ed. Credentials

Game Design

Player Experience (how)

Teaching Method

Vantage Point:

Entertainment

(SENG?)

Industry Credentials

Literacies

Traditional Literacy = read AND write Games literacy = play AND make

What about literacy w.r.t. education generally and Instructional Design in particular?

Game Literacy

Game Literacy w.r.t. Education means

- Knowing about games (beyond what we've heard from headlines & Jack Thompson) means
 - Game experience (playing)
 - Game Reflection (thinking about / contextualizing)

Game Literacy w.r.t. Instructional Design Means

- All of the above PLUS
 - Overview of games studies (genres, context, sociological implications)
 - Knowledge of Game construction (the industry, commercial vs. serious, the technology...)

Steps to GAME Design Literacy

1. Learning (How To)

Writing /

PLAYING

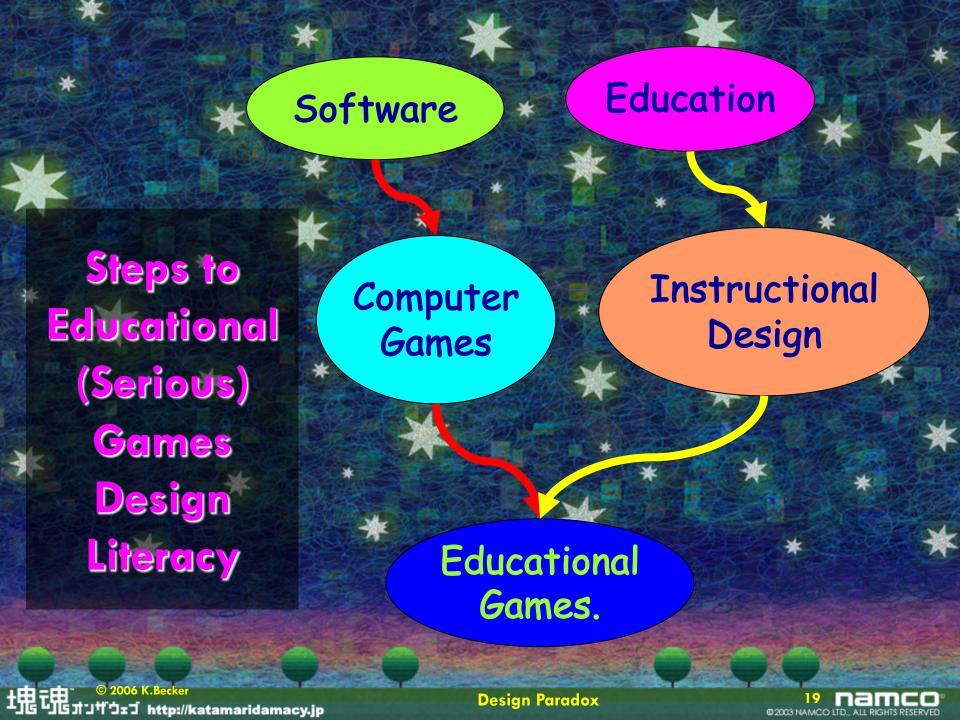
(pre-designed)

Copying

Programming

Designing / Creating

Computer Games



ID for **ED**

How to design good Ed games w/o knowing how to design good games??

How to design good Ed games (or even use COTS) w/o having played good games??

The need for credibility in formal education means ID must play a role.



Summary & What's Next

Understand more about game design.

Find common language for designers.

Including fun.

Bring literacy to Ed biz.

Find ways to combine GD & ID.

Image Sources:

Mario (New Super Marion Bros.) http://mario.nintendo.com/

Blaster (Math Blaster) photo taken of game CD sleeve

Carmen San Diego http://en.wikmedia.org/wiki/Carmen Sandiego

Fowl Words: http://www.mousebreaker.com/games/fowlwords2/play.php & http://www.miniclip.com/games/lowl-words/en/

Castle Explorer www.educate-me.net

Brain Age http://www.brainage.com/launch/what.jsp

Al Wars, Castle of Dr. Brain, Food Force, My Sim Aquarium, Jungle Quest, RealLives: http://www.mobygames.com

Math Blaster: http://www.consoleclassix.com/gameinfo mathblaster gen.html

& http://www.mathblaster.com

Second Life NMC Campus: http://www.nmc.org/sl/about/

Echo: Secrets of the Lost Cavern

http://www.gamespot.com/pc/adventure/echosecretsofthelostcavern/s creenindex.html

Thanks!