DevLearn08

CONFERENCE & EXPO

Learning in a Web 2.0 World

510

Using Serious Games in a Virtual Environment to Increase Retention

Barbara Sealund, Sealund & Associates and Pat Smolen, PSCU Financial Services

Slide 1

Using Serious Games in Virtual Learning Environments to Increase Retention

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Sealund's Custom eLearning & Serious Games Clients Since 1985

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Slide 3

Using Serious Games in Virtual Learning Environments to Increase Retention

- What is a Virtual Learning Environment?
- What are Serious Games?
- How are Serious Games used in a Virtual Learning Environment?
- How can the use of Serious Games in a Virtual Learning Environment help employees increase retention?

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Wikipedia

"A Virtual Learning Environment is a software system designed to support teaching and learning in an educational setting and includes a collection of tools for assessment."

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Various Terms for Virtual Environments

- Virtual Learning Environment
- Collaborative Virtual Environment
- Immersive Learning Environment
- Immersive Learning Simulation
- MMO (Massive Multiplayer Online)
- MMOG (Massive Multiplayer Online Game)
- MMORPG (Massive Multiplayer Online Role-playing Game)
- MUO (Multi-User Domain)

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Value of Virtual Learning Environments

- Learn through experience without negative consequences
- Collaborate and replicate group dynamics
- Role-playing through virtual interactions

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Wikipedia

• A **Serious Game** is a software application developed with game technology and game design principles for a primary purpose other than pure entertainment.

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Serious Games in VLEs

The Nielsen Company

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VLE: The Racetrack™

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The Value of VLE

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IBM Using Serious Games in VLEs to Increase Retention

• Basic Blue Manager training
• Training in Second Life

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Online Training in VLE Speeds Up Retention

• Shorter training periods
• Increased product knowledge
• Builds new capabilities
• Improved performance

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Cytec Industries Using VLEs for Management and Leadership Training
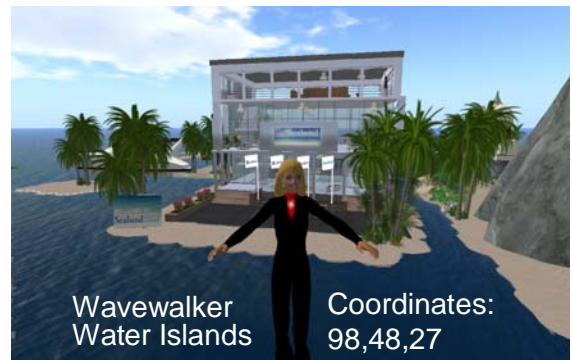
- Represents real-life situations
- On-the-spot learning
- Faster application and retention of knowledge

CYTEC

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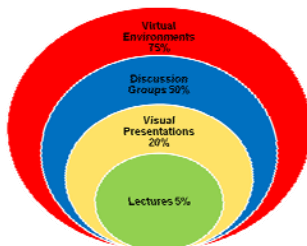Wavewalker Water Islands   Coordinates: 98,48,27

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Learning By Doing Increases Retention

- The Virtual Environment's strongest point lies in the fundamental principal of learning through experience.

Virtual Environments 75%
Discussion Groups 50%
Visual Presentations 20%
Lectures 5%

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Virtual Learning Environment = Retention

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Using Game Engines in Virtual Environments

Easy to Use
Fast to Develop
Quick to Deploy

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Using Virtual Worlds for Training

Welcome to the Communication Game. My name is Barbara and I will be your mentor during this training session. If at any time you need assistance, please click on my picture for help.

Let's Meet™

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Virtual Learning Environments
Effectively Deploy Training

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