



NRC-CNRC

*Institute for
Information
Technology*

Advanced Learning Technologies

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National Research
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Learning Approach

Strategy	Method	Technology
Learn from Collocation	Experience based Learning <i>Learning Labs, Classroom, Mentoring, Role Playing, Coaching, Case Studies, Expert Presentations,...</i>	Face-to-Face
Learn from Collaboration	Collaborative Learning <i>Live Virtual Classroom, e-Labs, Collaborative Sessions, Real-time Awareness, Live Conferences, Teaming</i>	Collaborative
Learn from Interaction	Interactive Learning, Simulations and Gaming <i>CBT/WBT Modules, Self-Directed Learning Objects, Interactive Games, Coaching & Simulations</i>	Multimedia
Learn from Information	Performance Support and Reference Materials <i>Web Lectures, Web Books, Web Conferences, Web Pages, Videos...</i>	Internet

- <http://apsblog.com/site/learning-architecture/learning-approaches>

Co-Location

Coaching
Mentoring
Interaction
Play
Creation



Physical spaces will become work and creativity spaces, not presentation spaces. New technology includes: ambient internet, multimedia, robotics, capture tools, more... Eg. MIT Media Lab

Collaboration

Conferencing
Meeting
Conversation
Co-creation
Teaming
Networks



Online collaboration becoming more immersive, more multimedia. Eg. Second Life, Adobe Connect, Elluminate; capture tools more prevalent. Collaboration more mobile as well – don't forget recording and capture.

Interaction

Games
Simulations
Training
Learning Objects



Game-based learning becoming widely accepted; games and simulations becoming more realistic; new tools and mod kits to help people program their own environments. Multi-user environments become huge.

Information

Lectures

Books

Conferences

Pages

Video



Information becomes free and ubiquitous; easily found via personalized semantic social networks; data becomes embedded into learning resources.

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Science
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