

ActiveLessons

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What is ActiveLesson?

- Strategy for teachers to design pedagogically effective student-centered e-learning
- Builds on ideas of WebQuest (US) and MicroLessons (Singapore)
- Technologically simple -- PowerPoint is used for creation and there is no need to struggle with technicalities of web publishing -- teachers can concentrate on pedagogy
- If teachers develop understanding of technology-supported pedagogy, technicalities will synch in naturally
- This experience will transform their epistemology in constructivist direction



Let's Start with Some Examples





Why PowerPoint?

- Teachers are trained to use these tools
- Available in all the schools and teachers can install it on their home computers
- Requires very moderate technical skills thus it empowers teachers to concentrate on pedagogy while designing e-learning activities
- Allows easy integration with other application
- Allows easy deployment over the internet, CD-ROM and even mobile devices
- ActiveLessons can be developed using other tools as well, e.g., Authorware or Flash



ActiveLesson in a Nutshell

- Presents students with some authentic scenario for learning. This scenario is presented in multimedia way and the task is given to students
- 2 Engages students to explore resources (e.g., web sites, multimedia packages, learning objects, MP3, videos) and transformer material as they work on their tasks
- 3 Provides templates which organize and scaffold students' completion of tasks



ActiveLesson in a Nutshell

- Requires students to use technology-based tools (e.g., MS Word, MindManager, Digital Camera) to create artifact of their involvement in the task
- S Require students to produce an artifact for evaluation
 - ★ Students might also conduct presentations, exhibitions, upload their artifacts on-line for class critique, etc.
 - ActiveLessons might contain checklists for students to conduct self-evaluation of their artifacts before submissions







Why is this Effective Strategy?

- Easy to create
- Cheep to develop
- Pedagogically strong
- Minimum training is needed for teachers
- Teachers will appreciate that simple technology allows them to design pedagogically sound learning experiences for their students
- Can be developed by everyone including students
- Existing resources can be used with ActiveLessons



Why is this Effective Strategy?

- Easily to manage for reuse
- Can be reused in different situations
- Can be packaged and shared across institution(s)
- Can be easily upgraded and accommodated to different students
- Can be contextualized
- Templates can be developed and provided for teachers to populate with their material
- Scaffolding tools can be provided to facilitate pedagogical decision-making







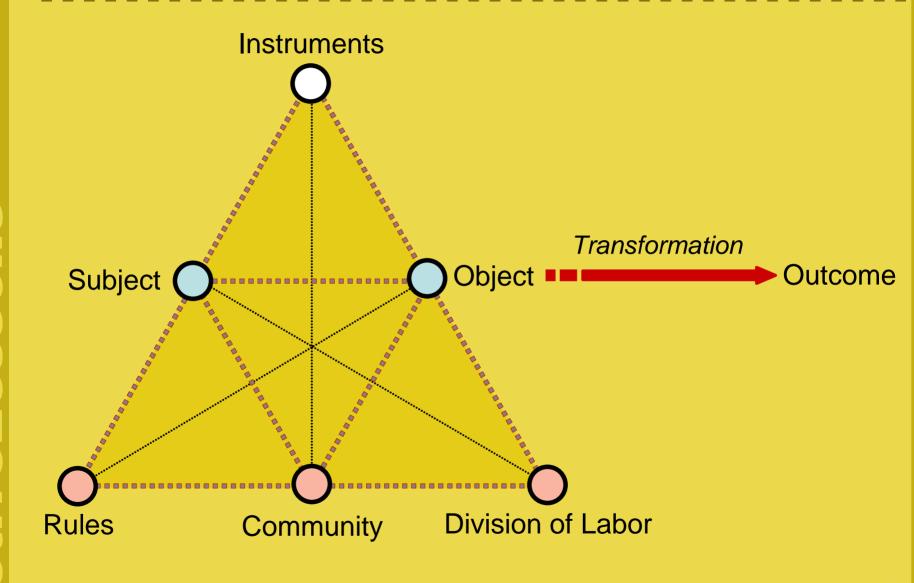
ActiveLesson Approaches

- Inquiry as a focus of ActiveLessons
- Problem solving as a focus of ActiveLessons
 - * Logical Problem
 - * Algorithms
 - Story Problems
 - * Rule-using

- Decision-making
- Troubleshooting
- Diagnosis-solution
- Strategic Performance
- Case Analysis
- * Design
- Dilemmas

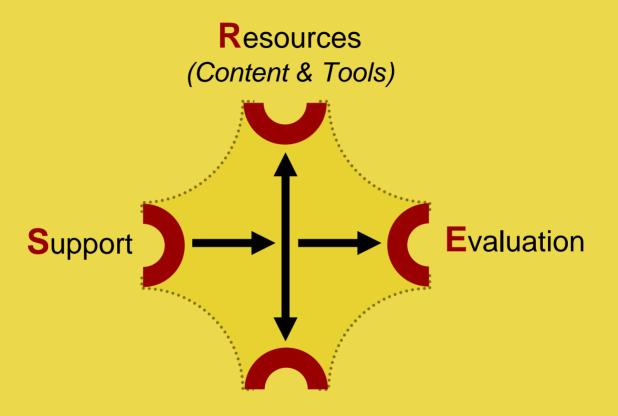


Theoretical Bgr. -- Activity Theory





Theoretical Background -- "RTSE" Model



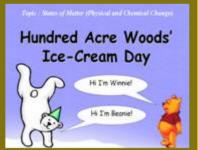
Task (Inquiries and Problems)























ActiveLesson Design Process

- Identify suitable topic from your curriculum for design into ActiveLesson
- Write learning outcome (s)
- 3 Identify task to lead to achievement of the learning outcome (s)
- 4 Plan interesting scenario that would involve learners
- 5 Locate resources and tools required in completion of task
- 6 Plan support components such as instructions, templates, frequently asked questions, extra resources that would scaffold learners, etc
- Plan how to evaluate learning and what to do if further intervention is required



Resources

- There are a lot of resources available over the internet
- Are they developed in principal, informed and systematic ways to support learning?
- Learning Objects as an effective strategy
- Repository of quality resources can be developed and provided for teachers to utilize within learning activities



Learning Objects





Thank Your for the Attention



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