





Figure 1: A Project-based Environment adopted from David Jonassen D.H.'s model (2000)

Learning Actions	Supporting Strategies	Activities
Project Presentation	<ul style="list-style-type: none"> <li>• Technology Modeling</li> </ul>	WebCT Tools Instructions Just-in-time Technology Solution Center in WebCT
	<ul style="list-style-type: none"> <li>• Project Modeling</li> </ul>	Example of Previous Projects
Project Collaboration	<ul style="list-style-type: none"> <li>• Team Building               <ul style="list-style-type: none"> <li>○ Forming</li> <li>○ Storming</li> <li>○ Norming</li> <li>○ Performing</li> </ul> </li> <li>• Scaffolding</li> </ul>	Building interest team Breeze Live synchronous meeting Threaded Discussion Prompts Guided team building process Guided project procedures
		Formative assessment
Project Assessment	<ul style="list-style-type: none"> <li>• E-peer evaluation</li> <li>• E-peer feedback</li> </ul>	Periodical evaluation on team members' performance
		Feedback on other team's work

Table 1: Summary of the support strategies to the learning activities utilizing variety of technology tools and activities

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### Discussions

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Anonymus Course/Project Feedback	218	218	public, anonymous, unlocked
Team A-American Bridge Consultants	4	4	public, unlocked
Team B-Fly Ash	29	34	public, unlocked
Team C-Wallers	26	26	public, unlocked
Team D-The Concrete Team	23	23	public, unlocked
Team E-WARS Tunnel	66	66	public, unlocked
Team F-Conventional Consultants Inc	26	26	public, unlocked
Team G-Dam Decyners	3	3	public, unlocked
Team H-TASK Force	19	19	public, unlocked
Team I-Design Doctors	6	6	public, unlocked
Team J-The Best Dam Group	111	111	public, unlocked
Team K-Innovative Construction Services	5	5	public, unlocked
Team L-Slope Protection Specialists	38	38	public, unlocked
Team M-Mesanators	3	3	public, unlocked
Team N-WEST-World Engineering Services and Technologies	44	57	public, unlocked
Team O-World International Student Engineers of Railway	2	2	public, unlocked
Team P-REAL-Roadbed Engineering and Leadership	85	85	public, unlocked
Team Q-Concrete Durability Consultants	16	16	public, unlocked
<b>All</b>	<b>760</b>	<b>779</b>	---