

Effective Teaching: Learning Styles In a Changing World  
By: Liz Schababerle

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While researching on this project, I found that most articles were articles or simply described about how to determine students' learning styles. The following is a brief summary of the article:

Franzoni, A. L., & Assar, S. (2009). Student Learning Styles Adaptation Method Based on Teaching Strategies and Electronic Media. *Educational Technology & Society*, 12 (4), 15–29.

This article describes a study that researches which teaching strategies, specifically those incorporating electronic media, are most useful for students with different learning styles. Students' learning styles were classified through the implementation of the Felder-Silverman model. In this study, the researchers found that "it is necessary to deploy resources to support the learning process in a way that it not only suits the characteristics of a few, but that it adapts to the characteristics of each student"(p.15). The teaching strategies implemented during this case study are listed in the table below:

*Table 3. Teaching strategies (TS)*

Teaching Strategies
TS1 = Games and simulations
TS2 = Learning based on problem solving
TS3 = Role playing
TS4 = Presentation
TS5 = Discussion panel
TS6 = Brainstorming
TS7 = Case study
TS8 = Question and answer method
TS9 = Project design method

The study allowed researchers to determine which teaching strategies and electronic media were best suited for each of the Felder-Silverman learning style classification. The results of this study are indicated in the tables below:

*Table 7. Adaptive taxonomy: LS dimensions and TS relationships*

		Learning styles							
		Sensitive	Intuitive	Visual	Verbal	Active	Reflexive	Sequential	Global
<b>Teaching strategy</b>	Games and simulations		X	X		X			
	Learning based on problem solving	X				X			
	Role playing		X			X			X
	Presentation	X		X			X	X	
	Discussion panel		X		X	X			
	Brainstorming				X	X			X
	Case study		X				X		X
	Question and answer method	X			X		X	X	
	Project design method		X			X			X

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Table 8. Adaptive taxonomy: LS dimensions and EM relationships

			Learning styles							
			Sensitive	Intuitive	Visual	Verbal	Active	Reflexive	Sequential	Global
Electronic media	Audio	Audio Recording				X			X	
		Audioconference				X			X	
	Collaboration	Forums	X		X		X			X
		Online learning communities			X					X
		Weblog or blog	X				X			X
		Wikis	X		X		X			X
	Communication	Chat (Messenger)					X			X
		e-mail					X			X
	Diagrams	Animations	X		X					
		Graphics	X		X					
		Pictures	X		X					
		Simulations			X					
	Read	Digital magazines							X	X
		Digital newspapers							X	
		eBooks			X				X	X
		Hypertext (web pages)			X				X	X
		Slideshows			X				X	X
	Search	Internet research		X			X	X		X
	Tutoring	Course Legacy System		X						
		Student Response System							X	
		Tutorial systems		X					X	
		WebQuest		X					X	
	Video	Podcast				X				
Recorded live events				X	X					
Videoconference				X	X					
Videos				X	X					
Web seminars (broadcasts)										

As shown in this study, there is no singular teaching strategy, or form of electronic media, that connects with every learning style. It is the responsibility of teachers to utilize multiple forms of media, and connect with students of as many different learning preferences as possible.