Learner-Centered Teaching Resources

Approach	Strategy	Examples	Resource
Active Learning	Verbal	Story-telling, humor, teach in chunks	http://www.ncte.org/positions/statements/teachingstorytelling http://www.readingprof.com/papers.html
	Visual	Videos, objects, illustrations, concept maps	http://www.merlot.org/merlot/materials.htm
	Social	In-class discussion, debate, small project	http://www1.umn.edu/ohr/teachlearn/tutorials/active/strategies/index.html
	Kinesthetic	Perform a task, role-playing, build models	http://serc.carleton.edu/NAGTWorkshops/mineralogy/xtlsymmetry/kinesthetics.html
	Real-time Feedback	In-class writing, review games, clickers, debriefing	http://web.calstatela.edu/dept/chem/chem2/Active/index.htm http://www.celt.iastate.edu/teaching/cat.html
Inquiry Learning	Case Study	Problem or situation has occurred and we have historical understanding (e.g.,	http://sciencecases.lib.buffalo.edu/cs/ https://www.cmu.edu/teaching/designteach/teach/instructionalstrategies/casestudies.html
	Problem-based Learning	Complex problem is occurring and there could be multiple correct solutions (e.g., climate change)	www.udel.edu/inst/ http://pbln.imsa.edu/ http://www.stanford.edu/dept/CTL/cgi-bin/docs/newsletter/problem_based_learning.pdf
	Project-based Learning	Student designs, creates, or produces a real artifact that has real-world utility (e.g., authentic learning)	http://bie.org/ http://www.ascd.org/publications/educational_leadership/sept10/vol68/num01/Seven_Essentials_for_Project-Based_Learning.aspx
	Simulations	A real-life problem or scenario that unfolds and student(s) respond to the evolving problem (e.g., business mgt simulation)	http://www.eduquery.com/jaet/JAET3-1_Lunce.pdf http://net.educause.edu/ir/library/pdf/ELI3004.pdf http://www.ahhtomoney.com/
Contextual Learning	Service-Learning	Community-based service that is connected to curricula (e.g., Boys/Girls' Club)	http://gsn.nylc.org/ http://www.aacc.nche.edu/Resources/aaccprograms/horizons/Pages/default.aspx
	Place-based Learning	Learning is driven by a place or location; student connect an identity to the place (e.g., watershed or museum)	http://www.promiseofplace.org/ http://portfolio.ruraledu.org/
	Lab-based Learning	Learning is driven by work in a lab (e.g., undergraduate research)	http://cisl.stanford.edu/what_is/ http://www.queensu.ca/ctl/resources/topicspecific/labbased.html
	Work-based Learning	Learning is driven by work in industry (e.g., practicum, job shadow, internship)	http://www.iseek.org/education/whatworkbased.html http://www.dol.gov/odep/categories/youth/career.htm