

## CHART OF LEARNING THEORIES

Theory	Behaviorism	Social Cognitivism	Constructivism
Summary	Learning as a reaction to environmental stimuli	Learning as processing information acquired in a social environment	Learning as the result of individuals' construct
Contributions	Connectionism (Thorndike) Operant Conditioning (Skinner)	Social Cognitive Theory (Bandura)	Piaget: Theory of Cognitive Development Vygotsky: Zone of Proximal Development, Activity Theory
Instructional implications	Programmed Instruction Drill and practice Positive/Negative reinforcement	Enactive and Vicarious Learning Modeling Self-Efficacy Worked Examples Tutoring and Mentoring	Discovery Learning Inquiry Teaching Peer-assisted Learning Reflective Teaching
Application example	GUIDO (Hofstetter, 1981)	The Piano Tutor (Dannenbergh, 1990)	MicroWorlds (Papert, 1984)