- Connectionism - Edward Thorndike (1874 - 1949)
- Clasicall Conditioning - Ivan Pavlov (1849 - 1936)
- Contiguity Theory and One Trial Learning Edwin Guthrie (1886 - 1959)
- Sign Learning - Edward Tolman (1886 - 1959)
- Drive Reduction Theory - Clark Hull (1884 – 1952)
- Operant Conditioning - Burrhus Skinner (1904 - 1990)
- Stimulus Sampling Theory William Estes (1919 -)
- The Keller Plan - Fred Keller (1899 - 1996)
- Programmed Instruction - Burrhus Skinner (1904 - 1990)
- Gestalt Psychology - Max Wertheimer (1880 – 1943)
- Assimilation Theory - David Ausubel (1918 - 2008)
- Social Cognitive Learning Theory - Albert Bandura (1925 -)
- Conditions of Learning - Robert Gagné (1916 - 2002)
- Schema Theory - Richard Anderson (1934 -)
- Script Theory - Roger Schank
- Dual Coding Theory - Allan Pavio (1925 -)
- Cognitive Load Theory (CLT) - John Sweller
- Cognitive Theory of Multimedia Learning (CTML) - Richard Mayer
- Cone of Experience - Edgar Dale (1900 – 1985)
- Elaboration Theory - Charles Reigeluth
- Concept Mapping - Joseph Novak
- Component Display Theory - Dave Merrill
- Structural Learning Theory - Joseph Scandura
- Principles and effects of CLT and CTML - (various researchers)
- Experiential Learning - David Kolb (1939 -)
- Transformatve Learning Theory - Jack Mezirow
- Facilitation Theory - Carl Rogers (1902 - 1987)
- Invitational Learning - William Purkey (1929 -)
- Social Development Theory - Lev Vygotsky (1896 - 1934)
- Stage Theory of Cognitive Development - Jean Piaget (1896 - 1980)
- Situated Learning - Jean Lave
- Communities of Practice - Jean Lave and Etienne Wenger

Instructional design theories and learning models:

- Cognitive Apprenticeship - Allan Collins
- Discovery Learning - Jerome Bruner (1915 -)
    - Case-Based Learning
    - Simulation-Based Learning
    - Goal Based Scenarios
    - Problem-Based Learning
    - Inquiry-Based Learning
    - Incidental Learning
- Connectivism

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