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schema - an organized pattern of thought, mental file cabinet
familiar information that matches new information

Lev Vygotsky - constructivist theorist, learning is interactive
children will learn from one another

MKO's - Vygotsky's term, more knowledgeable others

Zone of Proximal Development - space between independence in a skill and needing help to finish a task

Constructivist Theorists - Lev Vygotsky
Jean Piaget
John Dewey

John Dewey - learn by doing and learn skills that will be useful in life

Jean Piaget - foundational theorist behind cognitive development
knowledge is constructed through 4 developmental stages

metacognition - when a person is aware of how she learns

Piaget's four developmental stages - sensorimotor, pre-operational, concrete operational, formal operational

sensorimotor stage - Piaget's first stage
birth to age 2
learning through simple motor and sensory response

pre-operational stage - Piaget's second stage
ages 2-7
egocentric, cannot see things from other people's point of view

concrete operational stage - Piaget's third stage
ages 7-11
ability to think logically about situations

formal operational stage - Piaget's fourth stage
ages 12- adulthood
think in abstract and use deductive reasoning

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