

Self-Producing Systems: Implications and Applications of Autopoiesis (Contemporary Systems Thinking)

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Autopoiesis and Systems Education: Implications for Practice

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ABSTRACT

In this paper I will discuss the application of Maturana & Varela's theories of autopoiesis, cognition and language to the notions of worldview, worldview change and curriculum design. The context for this discussion is the education of systems concepts, thinking and practice. It has been argued that systemic thinking requires the adoption of particular assumptions into the worldview of the student, independent of the systems concepts under study. This raises the question of how best to structure a curriculum to meet this end. It will be argued that autopoietic theory, when applied to systems education has significant implications for curriculum design.

Keywords autopoietic theory, systems education, worldview change, curriculum design, systems practice

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