

TED 558/758 Teaching Creative Problem Solving

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Course Reserve readings are available at <http://www.lib.ncsu.edu/rbr/>

Search under the course: EOE758

January 13 Introduction/Overview

Cropley, Arthur J., "Definitions of Creativity" in Encyclopedia of Creativity, Mark A Runco and Steven R. Pritzker, editors-in-chief, San Diego: Academic Press, 1999., pp. 511-524.

January 20 Product

Besemer, Susan P. and Karen O'Quin, "Creative Product Analysis" in Frontiers of Creativity Research, Scott Isaksen, Buffalo, NY: Bearly Limited, 1987., pp. 341-357.

January 27 Process

Cougar, J. Daniel, "The Creative Problem Solving Methodology" in Creativity and Innovation in Information Systems Organizations, Danvers, MA: Boyd and Fraser Publishing, 1996., pp. 84-103.

Working Paper: Models for the Creative Process by Paul E. Plsek

<http://www.directedcreativity.com/pages/WPModels.html>

February 3 Person

Mc Caulley, "The Myers-Briggs Type Indicator: A Jungian Model for Problem Solving" in Developing Critical Thinking and Problem Solving Abilities, James E. Stice, Editor, San Francisco: Jossey-Bass, 1987.

February 10 Press/Environment

Miller, William C., "Stimulate a Creative Climate for Innovation," in Flash of Brilliance, Reading, MA: Perseus Books, 1999., pp. 101-116.

February 17 Assessment

Starko, Alane J., "Assessing Creativity." Developing Creativity in the Classroom, White Plains, NY: Longman, 1995., pp. 297-333.

February 24 Biological/Developmental Issues

Darcy, John H. and Kathleen K. Lennon, "The Brain at the Cellular Level" and "The Hemispheres of the Brain" in Understanding Creativity, San Francisco: Jossey-Bass, 1998., pp. 189-217.

March 2 Presentation of Results-- Assignment 2

March 16 Teaching/Group Process/Internet Resources

Cropley, A.J., "Fostering Creativity in the Classroom" in The Creativity Research Handbook, Mark A. Runco, Hampton Press, 1997., pp. 83-114

March 23 Instructional programs in creative problem solving--Problem Based Learning

Reading to be distributed in class

March 30 Instructional programs in creative problem solving--Odyssey of the Mind

Reading to be distributed in class--Schwartz, David M., "Everyone's a Winner When it Comes to Sports for the Brain" in Smithsonian, July, 1995 pp. 86-92.

April 6 TSA Spring Competitions

Complete assignment 3 in lieu of class

April 13 Instructional programs in creative problem solving--Incubation Model

Torrance, Paul E. "The Incubation Model of Teaching" in Why Fly: A Philosophy of Creativity, Norwood, NJ: Ablex Publishing, 1995., pp. 217-232.

April 20 Researchable questions in creative problem solving

Runco, Mark and Shawn Okuda Sakamoto, "Experimental Studies in Creativity" in Handbook of Creativity, edited by Robert J. Sternberg, Cambridge, UK: Cambridge University Press, 1999., pp. 62-92.

April 27 Presentation of Results-- Assignment 4

May 4 Exam

Synthesis of insights and the big questions of the semester.