

GOALS, ACTIVITIES, JOURNAL, and SUPPLEMENTAL MATERIALS

SEPTEMBER 2006 through DECEMBER 2008

William Bricken

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PERSONAL GOALS AND OBJECTIVES

Goal Summary

Teaching and working with students

Working with faculty/staff

Service (college, community, industry)

Program management/advancement

Professional development

ACTIVITIES AT LWTC

Summary of Activities, 9/2006 - 12/2008

Teaching and working with students

Working with faculty/staff

Service (college, community, industry)

Program management/advancement

Professional development

TEACHING JOURNAL

Teaching and Working with Students

Philosophy Subsection

Coursework Subsection (long)

Commentary on Courses, Autumn 2008

Commentary on Courses, Summer 2008

Commentary on Courses, Spring 2008

Commentary on Courses, Winter 2008

Commentary on Courses, Autumn 2007

Commentary on Courses, Summer 2007

Commentary on Courses, Spring 2007

Commentary on Courses, Winter 2007

Commentary on Courses, Autumn 2006

Working with Faculty/Staff

Service (College, Community, Industry)

Program Management/Advancement

Professional Development

SUPPLEMENTAL MATERIALS

All supplemental materials are accessible at this private web address:

www.wbricken.com/htmls/lwtc/tenure1.html

Here is how the materials are organized on the web page:

I. SELECTED WORK SAMPLES

1. Course Outlines, New Math Courses

Math 107 -- Math in Society
Math 1xx -- Digital Mathematics
Phil 106 -- Introduction to Logic
ECEM 130 -- Mathematics for Preschool Teachers

2. Course Handouts

Organization

Math 90 -- A Short Guide to the Course Content (2007)
Math 99 -- Cumulative Review (2008)
Math 102 -- Project Description (2008)
ECEM 130 -- Course Syllabus (2008)

Content

Math 102 -- Supplementary Notes on Logic (2008)
Math 107 -- The Age of Mathematical Concepts and Symbols (2008)
Math 107 -- Induction and Recursive Definitions (2008)
Math 114 -- Functions (2007)
All courses -- Algebra Critical Thinking Assignment (2007)

3. College Essays and Memos

Math Department

Design of the MathLab (2007)
Syllabus Guidelines (2008)
"College-Level Mathematics at LWTC" (2008)
Global Outcomes Matrix and Assessment Plan (2008)
Math Teaching Style Survey Results (2008)
NCTM08 Conference Trip Report (2008)

Assessment

"The Assessment Plan" (2008)
"Assessment Without and With Three Syllable Words" (2008)
"Some Assessment Tools and Methods" (2008)

"Exercises for Program Goals" (2008)
"Multiple Levels of Analysis: Detail and Recommendations" (2008)
"Global Outcomes by Courses" (2008)

College

"How Measurement Works" (2007)
"How Societies Fail" (2008)
"Game Theory and Interest-Based Bargaining" (2008)
"Advising Is Global Teaching" (2008)

II. FUNDING PROPOSALS, Technical Sections Only

American Honda Foundation Grant Proposal (2006)
National Science Foundation Grant Proposal (2007)
Department of Education Grant Proposal (2007)

III. PEER-REVIEWED PUBLICATIONS

"The Mathematics of Boundaries: A Beginning" (2006)*
"Syntactic Variety in Boundary Logic" (2006)*
"Simplicity Rather Than Knowledge" (2008)

IV. PRESENTATIONS

"Syntactic Variety in Boundary Logic" Diagrams'06 (2006)*
"Reclaiming Meaning in Mathematics", Washington State Community
and Technical College Mathematics Teachers Conference (2007)

V. MANUSCRIPTS

"Teaching for Innovation" (2007)
"Foundations of Spatial Arithmetic" (2007)

VI. MATHEMATICA 6.0 SOFTWARE

Fracturtles (2006)*
Spatial Arithmetic Calculator (2007-8)

VII. VIDEO ANIMATIONS

Spatial Arithmetic (13 minute video) (2007)
Mathematica Spatial Arithmetic Interactive Tool (2008)

* Completed in 2006, prior to starting at LWTC in August 2006.