

Publications

- Lippman, David and Rasmussen, Melonie. *Precalculus: An Investigation of Functions*.
An open precalculus and trig textbook
- Lippman, David, et al. *Math in Society*.
An open textbook for a survey of mathematics course for the liberal arts major
- Lippman, David, et al. *Business Precalculus*
An open business precalculus and finite math textbook
- Calaway, Shana, Hoffman, Dale, and Lippman, David. *Business Calculus*.
An open textbook for business calculus
- MITE and Lippman, David. *Arithmetic for College Students*.
An open textbook for an arithmetic course targeted at college students
- Pierce College Math Department. *Math 96: Intermediate Algebra in Context*
Contributed several lessons to this open textbook for a non-STEM algebra course
The text was remixed from work by Dana Center and Carnegie Foundation

Programming Projects

WAMAP/MyOpenMath/IMathAS

- Web-based math assessment software, for online delivery of homework, tests, and diagnostics. Released open-source.

Graphing Tools

- Web applets providing students access to 3D, 2D and ODE graphing utilities over the Internet. Released open-source.

Statistical Tools

- Web-based tools for graphing box plots, creating hypothesis test graphs, and calculating normal probabilities. Released open-source.

ASCIIMath to TeX converter

- Converter from ASCIIMath notation to TeX, allowing image-based fallback for web pages using ASCIIMath.

HTMLArea and TinyMCE Math and Graph Plugins

- Collaboratively developed with Peter Jipsen from Chapman University. These plugins add math and graph display capabilities to the popular HTMLArea and TinyMCE text editors. Released open-source.

Awards

Washington Two-Year College Mathematics Service Award	2014
NISOD Excellence Award	2011
Leadership and Innovation in eLearning Award	2011
Faculty Achievement Award, Pierce College District	2010

Grants

Open Course Library Project, SBCTC, \$15,000	2011-2012
▪ Grant to develop open courseware for math in society.	
Open Course Library Project, SBCTC, \$30,000	2010-2011
▪ Grant to develop open courseware for precalculus 1 and 2.	
Transition Math Project, \$11,000	2009
▪ Grant for open textbook development.	
Transition Math Project, \$80,000	2007-2009
▪ Grant for improvement, marketing, and support of IMathAS/WAMAP.org.	
Distance Learning Council Development Grant, \$23,000	2007-2008
▪ Grant for development of pre-built courses for IMathAS.	
Distance Learning Council Development Grant, \$7,000	2006-2007
▪ Grant for development of a base question set for IMathAS and for pilot testing.	

Presentations

Computing Modular Exponentiation, Northwest Two-year College Math Conference 2015
Building a 3D Coffee Cup, Northwest Two-year College Math Conference 2015
My Journey to Open (keynote), Academic Technology Institute, University of New Hampshire, 2015
History of iMathAS, Paradise Valley College, 2015
MyOpenMath and OER, numerous individual colleges, 2013 – 2015
The Case for Open (keynote), Northwest Two-year College Math Conference 2014
Making Open Materials Work for You, Northwest Two-year College Math Conference 2014
Little Known Features of WAMAP, Northwest Two-year College Math Conference 2014
Free and Open Courses for Arithmetic - Calculus, ICTCM, 2014
Scripting the Canvas API, Washington Canvas Users Group, 2014
Modeling using Video, Northwest Two-year College Math Conference 2013
OER, MOOCs, and the Future of Math Education (keynote), ArizMATYC, 2013
Free and Open Online Homework for a Free and Open Textbook, ICTCM, 2012
My Journey to Open (keynote), Math Dialogue Day, Phoenix College, 2012
Intro to WAMAP Workshop, Phoenix College, 2012
Open Course Library, AMATYC, 2011, 2012, 2013
Open Course Library Project, Northwest Two-year College Math Conference 2011, 2012, 2013
Open Textbook Workshop, Pierce College 2010
WAMAP: Advanced Topics, Northwest Two-year College Math Conference 2010
Math 107 on \$10, Northwest Two-year College Math Conference 2010
Wiimotes and Robots, Northwest Two-year College Math Conference 2009
Saving Students Money, Northwest Two-year College Math Conference 2009
A Free Online Math Assessment and Course Management System, PNW MAA Meeting 2009
Getting Started with WAMAP.org, numerous individual colleges and schools 2006-2009
WAMAP.org, Northwest Two-year College Math Conference 2007, 2008, 2009, 2012, 2013
WAMAP.org, Transition Math Project Summer Institute 2006, 2007, 2008
Free Online Math Assessment with WAMAP.org, Northwest K-12 Math Conference 2007
WAMAP.org, Northwest Teaching and Learning Conference 2007
Free Software, Northwest Two-year College Math Conference 2006
Online Tools, Northwest Two-year College Math Conference 2005
Online Math 107, Northwest Two-year College Math Conference 2002

Trainings

Quality Matters (QM) Training	Summer 2010	
▪ Training on implementation of QM standards in courses.		
Open Textbook Advocate Train-the-Trainer	Spring 2010	
▪ Training to lead workshops on open textbooks led by the College Open Textbooks Consortium		
Master Teacher Program	2010 – 2011	
▪ Pedagogy discussion and work on a project to improve instruction		
WAOL Instructor Training	Summer 2001	
▪ Creation, development, and instruction of online courses.		
Teaching Assistant Training	Western Washington University	Fall 1998
▪ Incorporating National Council of Teachers of Mathematics (NCTM) standards, use of technology in the classroom (TI calculators with CBL accessories), exam development, student participatory experiments, diversity and disability accommodation training.		
Employee Training	Sylvan Learning Center	Summer 1998
▪ Developmental mathematics instructional techniques.		

Computer Skills

Mathematica, Maple, Matlab, Mathcad, MS Excel, MS Word, TeX, Java, PHP, JavaScript, SQL