

Scott A. Wolla

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EDUCATION

Saint Louis University, Saint Louis, Missouri

Ph.D., Education: Curriculum and Instruction, 2015

Dissertation: *Evaluating the Effectiveness of an Online Learning Module and its Impact on Majority Minority and African American School Populations*

University of Delaware, Lerner College of Business and Economics

M.A., Economics for Educators, 2009

Bemidji State University

M.S., Teacher Education, 2002

Minnesota State University

B.S., Social Studies Education, 1995, Magna Cum Laude

Concentrations: History and Psychology

Teaching Licensure, Missouri, Minnesota, North Dakota

Grades 7-12 Social Studies

PROFESSIONAL EXPERIENCE

Federal Reserve Bank of St. Louis, January 29, 2010 - present

- **Assistant Vice President**, December 2025 – present.
- **Economic Education Officer**, February 2023 – December 2025.
- **Economic Education Coordinator**, November 2018 – January 2023.
- **Senior Economic Education Specialist**, November 2012 - November 2018.
- **Economic Education Specialist**, January 2010 - November 2012.

Foundation for Teaching Economics, 2024-present

- **Economics For Leaders, Economics Instructor**, UCLA (2024), Yale University (2025)

Washington University in St. Louis, 2020 – present

- **University College, Adjunct Instructor**, Intro to Microeconomics, Intro to Macroeconomics

Saint Louis University, 2013 – 2020

- **School for Professional Studies, Adjunct Instructor**, Survey of Economics, 2013-2020
- **Chaifetz School of Business, Adjunct Instructor**, Principles of Economics, 2014-2018

Jefferson College, Arnold, Missouri, spring 2011

- **Adjunct Instructor**, Microeconomics

Hibbing High School, Hibbing, Minnesota, 1996 – 2010

- **Social Studies Teacher**: Taught grades seven to twelve, including: U.S. history, civics, world history, economics, and Principles of Microeconomics. Also taught night school and tutored homebound students.
- **Academic Coach and Advisor**: Knowledge bowl coach, economics challenge coach, Close Up advisor, Key Club advisor, Technology Committee, and National Honor Society selection committee.

HONORS AND AWARDS

St. Louis Fed President's Award for Innovation, Extending Fed Transparency to the Classroom:

Closing the Monetary Policy Curriculum Gap, finalist, 2022

Bessie B. Moore Service Award, National Association of Economic Educators, 2020

St. Louis Fed President's Award for Innovation, Women in Economics Symposium and Podcast Series, 2018

2017 Emerald Literati Best Paper Award, *Evaluating the effectiveness of an online module for increasing financial literacy*,

Social Studies Research and Practice

St. Louis Fed President's Award for System Leadership, OMWI Leadership: Bringing Economics to Everyone, 2017

J.J. O'Brien Award for Outstanding Graduate Student, Saint Louis University, 2016

3M Economic Educator Excellence Award, Minnesota Council on Economic Education, 2006

Coached the CEE Economics Challenge National Champions, 2006; Minnesota State Champions, 2002, 2004 - 2007

High School Social Studies Teacher of the Year, Minnesota Council for the Social Studies, 2006

Hibbing United Educators Teacher of the Year, 2006

NASDAQ National Teaching Awards, Midwest Regional Winner, Council on Economic Education, 2005

Innovative Economic Educator Award, Minnesota Council on Economic Education, 2003

SELECTED LEADERSHIP AND SERVICE

Federal Reserve Education Website Steering Committee, chair, 2024 - present

American Economic Association, Committee on Economic Education, 2024 – present

St. Louis Fed Professors Conference, conference coordinator, 2015 – present

Page One Economics, publication innovator and content editor, 2012 – present

Journal of Economics Teaching, Advisory Board, 2023 - present

The Calvin K Kazanjian Economics Foundation, Board of Trustees, 2022 – present

National Voluntary Content Standards writing committee, 2024 – 2025.

St. Louis Fed Women in Economic Symposium, series originator and manager, 2018 – 2024

Research Information Services (RIS) Collaboration Team, Chair, 2021 – 2023
Social Studies Research and Practice, Advisory Board, 2020 – 2023
NAEE Executive Board, At Large Representative, 2020 – 2023
Federal Reserve System Economic Education Women in Economics Committee, Chair, 2019 – 2021
Federal Reserve Economic Education Leads Committee, Chair, 2019 – 2020
Federal Reserve Economic Education Leads Committee, Vice-Chair, 2017 – 2018
THRIVE System Leadership Initiative, 2017
Federal Reserve Economic Education Professional Development Committee, Co-Chair, 2016 – 2017
Federal Reserve System Economic Education Leads Committee, 2015 – 2022
Federal Reserve Economic Education Technology Committee, Chair, 2013 – 2014
Education Coordinator and Committee Chair, Federal Reserve Bank of St. Louis, 2012 – 2018
Council for Economic Education (CEE) Advisory Committee, 2012 – 2015
Federal Reserve Economic Education External Communications Committee, Chair, 2012

Referee, *Journal of Economic Education*, *International Review of Economics Education*, *Quarterly Review of Economics and Finance*, *Social Studies Research and Practice*, *The American Economist*, *Georgia Social Studies Journal*, National Council for the Social Studies (NCSS), College and University Faculty Assembly (CUFA), Council for Economic Education (CEE).

PUBLICATIONS

Textbooks and Supplements

“Economics for Life: Marking Smart Choices,” 3rd ed. Pearson Canada, 2025. (with Avi J. Cohen)
“Microeconomics for Life: Smart Choices for You,” Pearson Canada, 2024. (with Avi J. Cohen)
“Macroeconomics for Life: Smart Choices for All?” 3rd ed., Pearson Canada, 2024. (with Avi J. Cohen)
Applying the Principles Workbook, 2nd edition to accompany “Economics: New Ways of Thinking,” EMC Paradigm, 2014 [2006].

Working Papers

“Targeted Approach to Teaching Decision-making Using the PACED Model,” (with Andrea Caceres-Santamaria)
“A Literacy-Targeted Approach to Teaching Monetary Policy” (with Avi J. Cohen)
“The Importance of Teaching Disinflation and Deflation: Disinflation is still inflation,” (with Mary Clare Peate)

"Using the National Content Standards in Economics as a Content Guide for Literacy-Targeted Teaching"
(with Bonnie Mezaros)

"Modernizing the Inflation Auction: Teaching Inflation in the Ample-Reserves Era" (with Mary Clare Peate)

Refereed Journal Articles

"The Fed, Inflation, and Disinflation" *Social Education*, National Council for the Social Studies, 2025, 89(2), 278-82. (with Mary Clare Peate)

"Introduction to JEE Symposium on 'What Should Go Into the Only Economics Course Students Will Ever Take?'" (with A. Cohen and W. Stock), *Journal of Economic Education*, 2024, 55(2), 107-109.

"Curriculum Lag Challenges and Strategies for LT Principles: Lessons from Closing the Monetary Policy Curriculum Gap," *Journal of Economic Education*, 55:2, p. 166-177, 2024. (with Jane Ihrig and Mary Clare Peate)

"Cognitive Science Teaching Strategies and Literary-Targeted Economics Complementariness," *Journal of Economic Education*, 55:2, p. 156-165, 2024. (with B. Goffe)

"Teaching Monetary Policy with Ample Reserves." *Journal of Economics Teaching*, 8(2), 114-127, 2023. (with Jane Ihrig)

"Monetary Policy Yesterday, Today, and Beyond," *Social Education*, National Council for the Social Studies, 2023, 87(2), 83-87. (with Jane Ihrig)

"Let's close the gap: Updating the textbook treatment of monetary policy," *Journal of Economic Education*, 53:3, p. 232-249, 2022. (with J. Ihrig)

"How are Banks and the Fed Linked? Teaching Key Concepts Today," *Review of Political Economy*, March 2022. (with J. Ihrig and G. Weinbach)

"Closing the Curriculum Gap by Updating Content Standards and Guidelines for Teaching Monetary Policy," *The American Economist*, 2022. (with J. Ihrig)

"The Federal Reserve's Early Response to the COVID-19 Pandemic" *Social Education*, National Council for the Social Studies, 85(2), p. 78-80, 2021. (with J. Ihrig)

"The Economics of Artificial Intelligence: A Primer for Social Studies Educators," *The Councilor: A Journal for the Social Studies*: Vol. 81 : No. 2 , Article 3, 2020.

"Fixing the 'Curriculum Lag' in Economics: The new tools the Fed is using to influence the economy," *Social Education*, National Council for the Social Studies, 84(2), p. 93-99, 2020. (with J. Ihrig)

"A Survey of Federal Reserve Economic Education Programs and Resources," *The Journal of Economic Education*, 51:1, 68-79, 2020. (with A. Hill)

“Segmenting education content: Long-form vs. short-form online learning modules,” *The American Journal of Distance Education*, 33:2, 108-119, 2019. (with D. Méndez-Carbajo). DOI: 10.1080/08923647.2019.1583514

“The Economics of Artificial Intelligence and Robotics,” *Social Education*, National Council for the Social Studies, 83(2), pp 83-87, 2019. (with M. Schug and W. Wood)

“One small spoonful at a time: Long-form vs. Short-form Financial Education Learning Modules,” *Empirical Pedagogy*, 32(3/4), pp, 401-415, 2018. (with D. Méndez-Carbajo)

“The Textbook Treatment of Net Exports: Will the Uninformed Reader Understand?” *Journal of Economics Teaching*, 3(2), pp. 233-253, 2018.

“Federal Reserve Policy: Managing Both Sides of the Dual Mandate,” *Social Education*, National Council for the Social Studies, 82(2), 87-90, 2018. (with K. Kliesen)

“Yours, Mine, and the Truth: Using a Structured Minimum Wage Debate in the Economics Classroom,” *The American Economist*, 63 (2), pp. 245-259, 2018.

“Evaluating the Effectiveness of an Online Module for Increasing Economic Literacy,” *Social Studies Research and Practice*, Vol. 12 Issue: 2, pp.154-167, 2017.

“China’s Rapid Economic Rise: A New Application of an Old Recipe,” *Social Education*, National Council for the Social Studies, 81(2), pp 93-97, 2017. (with Y. Wen)

“Resources for Teaching Economic and Financial Literacy in Light of the Great Recession.” *Social Education*, National Council for the Social Studies, 79(2), 74-77, 2015. (with M. Suiter)

“Job Market Signaling: An Active Learning Approach for Teaching Education, Income, and Employment,” *Social Studies Research and Practice*, Vol. 9, No. 2, (Summer 2014).

“Why Didn’t China Discover the New World?,” *Social Education*, National Council for the Social Studies, Vol. 77, No. 2 (March / April 2013), pp 68 - 73.

“Data Literacy Contributes to Critical Thinking: FRED for the Classroom,” *Social Studies Research and Practice*, Vol. 7, No. 4 (Spring 2012). (with K. Cosgrove and M. Suiter)

Articles and Book Chapters

“Teaching Economics Using Primary Sources,” in *The Educator’s Handbook for Teaching with Primary Sources*, with S. Day, G. Podleski, and D. Mendez-Carbajo, 2023.

“Making Technical Adjustments: The Difference Between “Conducting” and “Implementing” Monetary Policy,” *Economic Synopses*, No. 21, 2021. (with J. Ihrig)

“Let’s close the gap: Revising teaching materials to reflect how the Federal Reserve implements monetary policy,” Finance and Economics Discussion Series 2020-092. Washington: Board of Governors of the Federal Reserve System, 2020. (with J. Ihrig)

“Closing the Monetary Policy Curriculum Gap: A Primer for Educators Making the Transition to Teaching the Fed’s Ample-Reserves Framework,” *FEDS Notes*, 2020-10-23. Board of Governors of the Federal Reserve System. (with J. Ihrig)

“Would increasing the minimum wage reduce poverty?” a chapter in *Teaching the College, Career, and Civic Life (C3) Framework: Part Two*. Edited by S.G. Grant, J. Lee, and K. Swan. National Council for the Social Studies, 2018. (with Eva Johnston)

“Invest in Human Capital to Build a Better Future,” a chapter in *Economic Literacy for Life: Today’s Lessons = Tomorrow’s Financial Stability and Success*, Annual Report 2016, Federal Reserve Bank of St. Louis, 2017.

“Math and History Connections for Middle School Economics,” a chapter in *Innovations in Economic Education: Promising Practices for Teachers and Students K-16*. Edited by M.B. Henning. Published by Routledge, 2016. (with Sara Barnett)

“Why Do We Call it The ‘Great’ Depression?” a chapter in *Teaching the C3 Framework: A Guide to Inquiry-Based Instruction in the Social Studies*. Edited by Kathy Swan and John Lee. Published by the National Council for the Social Studies, 2014. (with M. Suiter and B. Flowers)

Book Review, “The Federal Reserve and the Financial Crisis.” Ben S. Bernanke. Princeton: Princeton University Press, 2013. *The Councilor: A Journal for the Social Studies*, Vol. 75, No. 1 (April 2014).

Book Review, “Teaching Economics in Troubled Times: Theory and Practice for Secondary Social Studies.” Edited by Mark C. Schug and William C. Wood. New York: Routledge, 2011. *The Councilor: A Journal for the Social Studies*, Vol. 74, No. 1 (April 2013).

Cobblestone: Discover American History. Chicago: Carus Publishing, May/June 2011. (Contributing editor with M. Suiter)

Page One Economics, Federal Reserve Bank of St. Louis

“When the Unexpected Happens, Be Ready with an Emergency Fund,” September 2025.

“The Market for Eggs: How Prices are Hatched,” May 2025.

“AI and the Future of Work: Opportunity or Threat?” December 2024.

“Marginal Product of Labor and US Westward Expansion” September 2024. (with M. Kaiman and G. Vandenbrouke)

“How Does the Gig Economy Support Entrepreneurship?” April 2024.

“Is college still worth the high price? Weighing costs and benefits of investing in human capital” September 2023. (with G. Vandenbrouke and C. Tucker)

The Rise (and Fall) of Inflation During the Early 2020s” August 2023. (with J. Ihrig and K. Kliesen)

“All About the Business Cycle: Where Do Recessions Come From?” March 2023.

“How Federal Reserve Bank Presidents Ensure “Main Street” is Represented in Monetary Policy,” November 2022.

“How Does the Fed Use Its Monetary Policy Tools to Influence the Economy?” March 2022. (with J. Ihrig)

“The Importance of Diverse Perspectives: Strategies for Supporting Women in Economics,” Special Issue: 2022. (with A. Ackley, M. Suiter)

“Automation and the Minimum Wage,” November 2021.

“Teaching the Linkage Between Banks and the Fed: R.I.P. Money Multiplier,” September 2021.

“Inflation Expectations, the Phillips Curve, and the Fed’s Dual Mandate,” July 2021.

“Minding the Output Gap: What is the Potential GDP and Why Does it Matter?” May 2021.

“Examining the “Lump of Labor” Fallacy Using a Simple Economic Model,” November 2020.

“COVID-19’s Effects on the Economy and the Fed’s Response,” August 2020. (with J. Ihrig and G. Weinbach)

“The Fed’s New Monetary Policy Tools,” August 2020. (with J. Ihrig)

“Independence, Accountability, and the Federal Reserve System,” May 2020.

“Making Sense of the National Debt,” *Page One Economics*, November 2019. (with K. Frerking)

“A New Frontier: Monetary Policy with Ample Reserves,” May 2019.

“The Economics of Flying: How Competitive are the Friendly Skies?” November 2018. (with C. Backus)

“How do Imports Affect GDP?” September 2018.

“Bitcoin: Money or Financial Investment?” March 2018.

“Will Robots Take Our Jobs?” January 2018.

“Does International Trade Create Winners and Losers?” November 2017. (with A. Esenther)

“Why Are Some Countries Rich and Others Poor?,” September 2017.

“The Economics of Subsidizing Sports Stadiums,” May 2017.

“The Productivity Puzzle,” March 2017.

“Education, Income, and Wealth,” January 2017.

“International Trade: Making Sense of the Trade Deficit,” November 2016.

“International Trade: Why Do People and Nations Trade?,” November 2016.

“Why Is It So Difficult to Buy a High-Quality Used Car?,” September 2016.

“Stock Market Investing Strategies: Are You an Active or Passive Investor?,” April 2016.

“Making Sense of Unemployment Data,” February 2016.

“College: Learning the Skills to Pay the Bills?” December 2015.

“What’s in Your Market Basket? Why Your Inflation Rate Might Differ from the Average,” October 2015.

“Falling Oil Prices Create Winners and Losers,” May 2015.

“Is a Strong Dollar Better than a Weak Dollar?,” March 2015.

“Would a Gold Standard Brighten Economic Outcomes?,” January 2015.

“Smoothing the Path: Balancing Debt, Income, and Saving for the Future,” November 2014.

“Economics and the Environment,” 2014.

“The Economics of Immigration: A Story of Substitutes and Complements,” May 2014.

“Would Increasing the Minimum Wage Reduce Poverty?,” March 2014.

“The Rising Cost of College: Tuition, Financial Aid, and Price Discrimination,” January 2014.

“What are the ‘Ingredients’ for Economic Growth?” September 2013.

“GDP: Does it Measure Up?” May 2013.

“Money and Inflation: A Functional Relationship,” March 2013.

“Invest in Yourself: Applying an Investment Approach to Education Decisions,” February 2013.

“Choices are everywhere: Why can’t we just have it all?,” January 2013.

Newsletters And Blogs

“How Economic Education Supports Monetary Policy” Open Vault Blog, Federal Reserve Bank of St. Louis, October 15, 2025. (with Tim Lloyd)

“How the St. Louis Fed Helps Educators in the Classroom,” Open Vault Blog, Federal Reserve Bank of St. Louis, June 18, 2025. (with Vincent Brennan)

“Why Personal Finance Education Matters,” Open Vault Blog, Federal Reserve Bank of St. Louis, April 23, 2025.

“Choosing to Bring Economic Education to More Students,” Open Vault Blog, Federal Reserve Bank of St. Louis, November 13, 2024. (with Tim Lloyd)

“Financial Literacy Month Is a Great Time to “Take Charge” of Your Credit,” Open Vault Blog, Federal Reserve Bank of St. Louis, April 17, 2024.

“How Will the Fed Reduce Its Balance Sheet?” Open Vault Blog, Federal Reserve Bank of St. Louis, May 11, 2022. (with J. Ihrig)

“The Fed’s Stance on Monetary Policy: Managing Both Sides of the Dual Mandate,” Teaching Resources for Economics at Community Colleges (TRECC) Newsletter; 2022. (with J. Ihrig)

“Economics and Personal Finance Courses: Complements Not Substitutes,” Open Vault Blog, Federal Reserve Bank of St. Louis, October 26, 2022. (with M. Suiter and L. Levin)

“3,2,1...Liftoff. What Does ‘Liftoff’ Really Mean in Fed Policy?” Open Vault Blog, Federal Reserve Bank of St. Louis, February 2, 2022. (with J. Ihrig)

“Here’s What the Fed Means by Tapering,” *Open Vault Blog*, Federal Reserve Bank of St. Louis, November 10, 2021. (with J. Ihrig)

“Why Economic Education Month Matters,” *Open Vault Blog*, Federal Reserve Bank of St. Louis, October 6, 2021. (with Mary Suiter and Andrea Caceres-Santamaria)

Teaching about New Monetary Policy Tools, *Timely Topics Podcast Series*, Federal Reserve Bank of St. Louis, 2021. (with J. Ihrig)

“Monetary Policy Has Changed, Has Your Instruction?” Teaching Resources for Economics at Community Colleges (TRECC) Newsletter, 2021. (with J. Ihrig)

“Visualizing the New Tools of Monetary Policy, *FRED Blog*, Federal Reserve Bank of St. Louis, 2021. (with J. Ihrig)

“Inspiring Young Women to Pursue Economics,” *Open Vault Blog*, Federal Reserve Bank of St. Louis, January 19, 2021. (with C. Smith)

“How the Fed Has Responded to the COVID-19 Pandemic” *Open Vault Blog*, Federal Reserve Bank of St. Louis, August 12, 2020. (with J. Ihrig and G. Weinbach)

“How Does the Fed Influence Interest Rates Using its New Tools?” *Open Vault Blog*, Federal Reserve Bank of St. Louis, August 5, 2020. (with J. Ihrig)

Fixing the Textbook Lag with FRED: Monetary Policy in a World of Ample Reserves (Part I),” *FRED Blog*, Federal Reserve Bank of St. Louis, 2019.

Fixing the Textbook Lag with FRED: Monetary Policy in a World of Ample Reserves (Part II),” *FRED Blog*, Federal Reserve Bank of St. Louis, 2019.

“Do imports subtract from GDP?” *FRED Blog*, Federal Reserve Bank of St. Louis, 2018.

SELECTED TEACHING RESOURCES

Federal Reserve Bank of St. Louis

AP Macro Lecture Guide: How the Fed Implements Monetary Policy, 2024. (with Amanda Geiger)

How Fed Policy Transmits to the Economy, 2022. (with J. Ihrig)

Federal Reserve Monetary Policy Timeline, FRASER, 2022. (with A. Brennecke and G. Podleski)

Badging: An Educator’s Guide to Monetary Policy, 2022.

Badging: A Citizen’s Guide to Monetary Policy, 2022.

Budgeting Basics Digital Badge Program, 2022. (with M. Suiter)

GDP and Pizza videos (8 episodes), 2022.

Teaching the New Tools of Monetary Policy - Frequently Asked Questions, 2022. (with J. Ihrig)

Long-Run Equilibrium, an online learning module, 2021. (with A. Caceres-Santamaria)

Lecture Guide: How the Federal Reserve Implements Monetary Policy, 2021. (with J. Ihrig)

The Fed’s New Monetary Policy Tools, an online learning module, 2021.

You Don't Have To Be an Economist To Understand an FOMC Statement, 2020.

Comparative Advantage: Trading Pizzas and Brownies, 2020.

Teaching Market Structures with a Competitive Gum Market, 2020.

The GDP Expenditures Equation: What Is GDP and How Do We Measure It?, 2019.

Teaching About Money and Inflation Using a Classroom Inflation Auction, 2019.

Using a Structured Minimum Wage Debate in the Economics Classroom, 2019.

Is Trade a Zero-Sum Game? The Answer Lies in Candy. 2019.

The Castaways Discover GDP, 2019. (with M. Suiter and G. Fortier)

Making Personal Finance Decisions (20 lesson personal finance curriculum), co-editor, published by Minnesota Council on Economic Education and Federal Reserve Bank of St. Louis, 2016.

“The Arsenal of Democracy: The United States in WWII,” 2014.

The Fed's Toolbox, 2014. (with K. Bertelsen and P. Williams)

Monetary Policy, an online learning module, 2013. (with B. Flowers and M. Suiter)

Tax Incidence: An Interactive Whiteboard Lesson, 2012.

Constitutionality of a Central Bank, 2012. (with M. Suiter)

Supply and Demand, an online learning module, 2012. (with B. Flowers and M. Suiter)

The Free Silver Movement and Inflation, 2012.

The Illustrated Consumer and Producer Surplus: An Interactive Whiteboard Lesson, 2012.

Constitutionality of a Central Bank, 2012. (with M. Suiter)

Great Inflation, an online learning module, 2012.

Soar to Savings, an online learning module, 2011.

In Plain English, an online learning module, 2011. (with B. Flowers and M. Suiter)

Great Depression, an online learning curriculum, 2010. (with B. Flowers and M. Suiter)

Cards, Cars and Currency, an online learning curriculum, 2010. (with B. Flowers and C. Rossiter)

It's Your Paycheck, an online learning curriculum, 2010. (with B. Flowers)

***Liber8 Economic Information Newsletter Classroom Edition*, Federal Reserve Bank of St. Louis**

“The Output Gap: A ‘Potentially’ Unreliable Measure of Economic Health,” 2012. (with E. Marifian)

“The Great Inflation: A Historical Overview and Lessons Learned,” 2012. (with D. Lopez)

“Higher Gasoline Prices: Temporary or Time to Buy a Hybrid?,” 2012. (with Li Li)

“The Legacy of the Olympics: Economic Burden or Boon?,” 2012. (with L. Ricketts)

“Wait, Is Savings Good or Bad? The Paradox of Thrift,” 2012. (with E. K. Vermann)

“Dewey Defeats Truman”: Be Aware of Data Revisions,” 2012. (with M. Chen)

“Gini in a Bottle: Some Facts on Income Inequality,” 2012. (with D. Lopez)

“Traditional Versus Shadow Banking,” 2012. (with B. Noeth)

“What Do Financial Market Indicators Tell Us?,” 2012. (with L. Zheng)

“Fed Policy Actions During the Great Depression and Great Recession,” 2011. (with D. Lopez)

“Natural Disasters: From Destruction to Recovery,” 2011. (with C. Liborio)

“Time Inconsistency: Today’s Actions = Tomorrow’s Regrets,” 2011. (with K. Vermann)

“Is a College Cap and Gown a Financial Ball and Chain?,” 2011. (with L. Ricketts)

“Financial Regulation: A Primer on the Dodd-Frank Act,” 2011. (with B. Noeth)

“Quantitative Easing Explained,” 2011. (with L. Ricketts)

“Fiscal and Monetary Policy in Times of Crisis,” 2011. (with C. Liborio)

“Deflation: Who Let the Air Out?,” 2011. (with H. El-Ghazaly)

“Financial Crises, Reform, and Central Banking: Establishing the Federal Reserve,” 2011. (with D. Lopez)

Economic Lowdown Video Series, Federal Reserve Bank of St. Louis

“The Fed and the Dual Mandate,” 2022.
“Two Important Interest Rates in Monetary Policy Implementation,” 2022.
“Reservation Rate and Arbitrage,” 2022.
“The Fed in Action,” 2022.
“There is No Such Thing as a Free Lunch,” 2019.
“Unemployment,” 2018.
“Inflation,” 2017.
“Production Possibilities Frontier,” 2016.
“Gross Domestic Product (GDP),” 2014.
“The Circular Flow,” 2013.
“Externalities,” 2013.
“The Labor Market,” 2013.
“Inflation,” 2013.
“Equilibrium,” 2012.
“Demand,” 2012.
“Supply,” 2011.

Economic Lowdown Podcast Series, Federal Reserve Bank of St. Louis

“Fiscal Policy,” [Episode 21], 2017.
“Monetary Policy,” [Episode 20], 2017.
“Cost of Production,” [Episode 19], 2017. (with Arlington Foster)
“The Business Cycle,” [Episode 18], 2016.
“Public Goods,” [Episode 17], 2015. (with Andrew Spewak)
“Elasticity of Demand,” [Episode 16], 2015.
“Economic Growth,” [Episode 15], 2014. (with Hope Benefield)
“Getting ‘Real’ about Interest Rates,” [Episode 14], 2014.
“Gross Domestic Product,” [Episode 13], 2014.
“Price Signals,” [Episode 12], 2012.
“Externalities,” [Episode 11], 2011.
“The Labor Market,” [Episode 10], 2011.
“Functions of Money,” [Episode 9], 2011.
“Market Equilibrium,” [Episode 8], 2011.
“Supply,” [Episode 7], 2011.
“Demand,” [Episode 6], 2010.
“Unemployment,” [Episode 5], 2010.
“Inflation,” [Episode 4], 2010.
“The Role of Self-Interest and Competition in a Market Economy,” [Episode 3], 2010.
“Factors of Production,” [Episode 2], 2010.
“Opportunity Cost,” [Episode 1], 2010.

Teach Economics Podcast Series, Federal Reserve Bank of St. Louis

David Autor: The Human Side of AI, Released December 9, 2025.

Patrice Bain: Teaching with “Power Tools,” Released October 30, 2025.

John List: Inspiring Student Curiosity through Real-World Economics, Released August 21, 2025.

Gary Hoover: Teaching with Purpose, Released July 1, 2025.

Wendy Stock: Harnessing Student Curiosity to Fuel Economic Education, Released April 16, 2025.

Avi Cohen: If Students Only Take One Econ Course, What Should They Learn?, Released March 13, 2025.

Annamaria Lusardi: How Lessons in Personal Finance Can Help Teach Economics, Released Nov. 4, 2024.

Greg Mankiw: When Introducing Economics to Students, It Helps to Keep Things Simple, Released Oct. 18, 2024.

Bill Goffe and Andrew Butler: How Understanding Brain Science Can Help You Teach Economics, Released April 11, 2024.

Justin Wolfers: The Importance of Teaching Students to “Think Like an Economist” Released Dec. 5, 2023.

Council on Economic Education

“Economic Data Lessons: Economic Policy Options” 2021

“Economic Data Lesson: Nonfarm Payrolls,” *EconEdLink*, 2017.

“Economic Data Lesson: Gross Domestic Product (GDP),” *EconEdLink*, 2017.

“Economic Data Lesson: The Unemployment Rate,” *EconEdLink*, 2017.

“Economic Data Lesson: Inflation,” *EconEdLink*, 2017.

“Economic Data Lesson: Economic Policy Options,” *EconEdLink*, 2017.

The Fed’s Toolbox, 2014. *High School Economics*. 3rd edition, New York: Council for Economic Education, 2014. (with Kris Bertelsen and Princeton Williams)

“Financial Literacy: Benefits for the ‘Micro’ and the ‘Macro,’” An invited essay as part of financial literacy month, 2013.

“The 411 on College Education,” *EconEdLink*, 2013.

Focus: Middle School World History, 2011. (with W. Bosshardt, T. Ferrarini, D. Haskell, A. Hill, J. Lopus, B. Meszaros, E. Seahill, and P. VanFossen)

EMC Paradigm Publishing, St. Paul, MN

Ticket Scalping and the Inauguration, an economics current event lesson, 2009.

Unemployment, Recession and Teens, an economics current event lesson, 2009.

Weak Dollar, an economics current event lesson, 2008.

Immigration, an economics current event lesson, 2006.

Minimum Wage, an economics current event lesson, 2006.

SELECTED PRESENTATIONS AT CONFERENCES AND WORKSHOPS

“Monetary Policy: Behind the Balance Sheet” National Association of Business Economics (NABE) Economic Measurement Seminar, Washington DC, July 14, 2025.

“Using the Literacy-Targeted Approach to Teach Monetary Policy,” AEA Conference on Teaching and Research in Economic Education (CTREE), Denver, 2025

“The Impacts and Changes in High School Economic Standards: Panel Discussion,” Allied Social Science Associations (ASSA) Annual Meeting, San Francisco, January 4, 2025.

“Mechanics of Monetary Policy,” National Association of Business Economics (NABE) Economic Measurement Seminar, Washington DC, July 15, 2024.

“Change is Hard: Rethinking Teaching on the Connection between Money and Inflation,” AEA Conference on Teaching and Research in Economic Education (CTREE), Atlanta, May 30, 2024

“The Landscape of AP Economics and Alignment with the Profession” Allied Social Science Associations (ASSA) Annual Meeting, San Antonio, January 7, 2024

“Federal Reserve Districts - Research and Surveys,” National Association of Business Economics (NABE) Economic Measurement Seminar, Washington DC, July 17, 2023.

“Teaching Monetary Policy with Ample Reserves,” AEA Conference on Teaching and Research in Economic Education (CTREE), Portland, June 1, 2023

“Innovation in the Economics Classroom” Eastern Economic Association, New York City, Saturday, February 24, 2023.

“The Tools of Monetary Policy Have Changed. Has Your Instruction?” Allied Social Science Associations (ASSA) Annual Meeting, New Orleans, January 7, 2023.

Keynote presentation, “Change is Hard: Rethinking Key Teaching Concepts in Macroeconomics,” Journal of Economics Teaching JET SET Conference, August 2022.

Keynote presentation, “Are Personal Finance and Economics Complements or Substitutes?” Kentucky Jump\$tart Awards Dinner, July 2022.

“Assessing the Monetary Policy Curriculum Gap,” AEA Conference on Teaching and Research in Economic Education (CTREE), Chicago, June 2022.

“Planet Money + Econ Lowdown = Teaching Success,” with Alex Goldmark, executive producer NPR’s *Planet Money*, February 2022.

“Monetary Policy has Changed. Has your Teaching?” Next Gen Personal Finance Featured Speakers Series, January 2022.

“Cognitive Science Teaching Strategies and Literacy-Targeted Economics Complementarities,” Allied Social Science Associations (ASSA) Annual Meeting, virtual, January 2022.

“Let’s Close the Gap: Revising Teaching Materials to Reflect How the Federal Reserve Implements Monetary Policy,” Southern Economics Association (SEA) Conference, virtual, November 2021.

“Planet Money and Econ Lowdown” Council for Economic Education National Conference, virtual, with Alex Goldmark, September 2021.

“Teaching the New Tools of Monetary Policy,” A webinar produced by Federal Reserve Bank of St. Louis, August 2021. (with J. Ihrig)

“Teaching the New Tools of Monetary Policy,” AEA Conference on Teaching and Research in Economic Education (CTREE), June 2021.

“Cognitive Science Teaching Strategies in Literacy Targeted Economics Courses,” AEA Conference on Teaching and Research in Economic Education (CTREE), June 2021.

“Making Economics Stick through Student Engagement and Assessment,” AEA Conference on Teaching and Research in Economic Education (CTREE), May 2019.

“A Survey of Federal Reserve Economic Education Programs and Resources,” ASSA / AEA Conference, Atlanta, January 2019.

“An Active Learning Strategy for Improving Instruction in Macroeconomics,” AEA Conference on Teaching and Research in Economic Education (CTREE), May 2018.

“Innovations in Economic Education: Promising Practices for Teachers and Students K-16,” Missouri Department of Higher Education Meeting, April 2018.

“The Textbook Treatment of Net Exports: Will the Rational Reader Understand?” The Association of Private Enterprise Education Forty-Third Annual Conference, March 2018.

“Teaching the C3 Framework,” National Council for the Social Studies Annual Conference, November 2017.

“Yours, Mine, and the Truth: Using Debates in the Economics Classroom,” AEA Conference on Teaching and Research in Economic Education (CTREE), May 2017.

“Presidential Economics: Viewing the Past through a Different Lens,” National Council for the Social Studies Annual Conference, December 2016.

Keynote presentation, “What is the Status of Economic Education and Why Should We Care?” American Institute for Economic Research Teach-the-Teachers Initiative, Federal Reserve Bank of Chicago, July 2016.

“Teaching Economics Using Data and Current Topics,” AEA Conference on Teaching and Research in Economic Education (CTREE), June 2016.

“Teaching the History of Women in the Workforce,” National Council for the Social Studies Annual Conference, November 2015.

“Teaching Economics with Current Events in Mind,” Council for Economic Education National Conference, October 2015.

“Teaching the C3 Framework: A Guide to Inquiry Based Instruction in the Social Studies,” NCSS Featured Session, NCSS National Conference, November 2014.

“Investigating Differences in Personal Finance Achievement in Majority Minority High Schools Utilizing Online Learning Modules,” CUFA Graduate Forum Roundtable, Boston, MA, November 2014.

“RePEc in the Classroom,” AEA Conference on Teaching & Research on Economic Education (CTREE), May 2014.

“Teaching Economics Online,” 52nd Annual Winter Institute, St. Cloud State University, St. Cloud, MN, February 2014.

“Enhancing the Common Core: New Videos from the Federal Reserve,” National Council for the Social Studies 93rd Annual Conference, November 2013.

“Teaching the Great Inflation,” Federal Reserve System Professional Development Conference, Federal Reserve Bank of St. Louis, November 2013.

“What is the Economic Forecast? Using FRED and FOMC Resources,” Next Generation Forecast Event, Missouri Economic Forecasting Conference, St. Louis, MO, October 2013.

“FRED and FRASER: Amazing Resources for the Classroom,” 52nd Annual Financial Literacy and Economic Education Conference, Council on Economic Education, October 2013.

“Technology for the Social Studies Classroom,” Independent Schools Association of the Central States (ISACS) Annual Conference, November 2012.

“Differentiated Instruction in the Personal Finance Classroom” Produced as part of the National Business Educators Association (NBEA) 2012 Fall Webinar Series, November 2012.

“Library Created Content for Clients,” Internet Librarian 2012 Conference, Monterey, CA, October 2012.

“FRED (Federal Reserve Economic Data) in the Classroom,” Conference on Teaching Economics and Personal Finance, University of Minnesota - St. Paul, August 2012.

“Constitutionality of a Central Bank,” Conference for System Economic Educators, Federal Reserve Board of Governors, Washington, DC, December 2011.

“Diversify Your Teaching Portfolio: Meeting the Diverse Learning Needs of Your Students,” National Council for the Social Studies 91st Annual Conference, December 2011.

“Myths, Tall Tales, and Urban Legends: Facts Behind the Fed,” 50th Annual Financial Literacy and Economic Education Conference, Council for Economic Education, October 2011.

“Using FRED to Teach Macroeconomics,” Conference on Teaching Economics and Personal Finance, University of Minnesota - St. Paul, August 2011.

“Time Value of Money,” Conference on Teaching Economics and Personal Finance, University of Minnesota - St. Paul, August 2010.

“The Great Depression,” Economic Forces in American History, Foundation for Teaching Economics, presentation given in five locations: Newark, DE, San Diego, CA, Williamsburg, VA, Boston, MA, Park City, UT, 2010.

“Why People Trade,” Winter Economics Institute, St. Cloud State University, St. Cloud, MN, February 2008.

“The Minimum Wage Debate in the Classroom,” EconFest, Minnesota Council on Economic Education, St. Paul, MN, October 2003.

SELECTED MEDIA

“How much money do you need in your emergency fund? Experts do the math - so you don’t have to,” *The Independent*, November 17, 2025. (Katie Hawkinson) <https://www.independent.co.uk/us/money/emergency-fund-savings-advice-b2863134.html>

“Economics Textbooks Are Finally Getting a Vital Update,” *The New York Times*, January 17, 2024. (P. Coy) <https://www.nytimes.com/2024/01/17/opinion/economics-textbooks-monetary-policy.html>

“AP Macro gets a makeover,” *The Indicator from Planet Money*, August 2022. <https://www.npr.org/2022/08/15/1117599828/ap-macro-gets-a-makeover>

“Efforts to modernise economics teaching are gathering steam,” *The Economist*, March 2021. <https://www.economist.com/finance-and-economics/2021/03/20/efforts-to-modernise-economics-teaching-are-gathering-steam>

“The Fed Helps to Spread Financial Literacy to Many,” *Wall Street Journal*, April 2019. <https://www.wsj.com/articles/the-fed-helps-to-spread-financial-literacy-to-many-11554327309>

“Your View: Why universal basic income is not a good solution,” *The Morning Call* (Michael McDowell), March 2019. <http://www.mccall.com/opinion/yourview/mc-opi-guaranteed-income-20190304-story.html>

“How Do Nations Get Rich?,” *Business Day* (Patrick Atuanya), February 2019. <https://businessday.ng/columnist/patrick-atuanya/article/how-do-nations-get-rich/>

“When sports teams fleece taxpayers” *The Week* (editorial staff), October 2018. <https://theweek.com/articles/803881/when-sports-teams-fleece-taxpayers>

“The St. Louis Fed on Imports and GDP.” *The Library of Economics and Liberty* (Pierre Lemieux), September 2018. <https://www.econlib.org/the-st-louis-fed-on-imports-and-gdp/>

“Why should we care about free trade?” *BBC News* (Karishma Vaswani), November 2017. <http://www.bbc.com/news/business-41928831>

“Lawmakers should not subsidize stadiums.” *The Columbus Dispatch*, October 2017. <http://www.dispatch.com/opinion/20171031/letter-lawmakers-should-not-subsidize-stadiums>

“How the NFL Feeds at the Taxpayer Trough,” *National Review* (Michelle Malkin), September 2017. <http://www.nationalreview.com/article/451831/nfl-protests-donald-trump-its-not-just-private-enterprise>

“NFL pigskins at the public trough,” *Aiken Standard* (Michelle Malkin), September 2017. https://www.aikenstandard.com/opinion/column-nfl-pigskins-at-the-public-trough/article_b98d1e5a-a3fe-11e7-8594-0386c1f57893.html

“The Economics of Subsidizing Sports Stadiums,” *The Big Picture* (Barry Ritholtz), July 2017.

<http://ritholtz.com/2017/07/economics-subsidizing-sports-stadiums/>

“What the St. Louis Fed says about taxpayer funding of stadiums,” *St. Louis Business Journal* (Greg Edwards), May 2017. <http://www.bizjournals.com/stlouis/news/2017/05/31/what-the-st-louis-fed-says-about-taxpayer-funding.html>

“Ahead of Yellen's Teacher Town Hall, a Look at Education Economics,” *Bloomberg* (Jeanna Smialek), January 2017. <https://www.bloomberg.com/news/articles/2017-01-10/ahead-of-yellen-s-teacher-town-hall-a-look-at-education-economics>

“College costs: Are they discriminatory?” *St. Louis Business Journal* (Greg Edwards), February 2014. <https://www.bizjournals.com/stlouis/blog/2014/02/college-costs-are-they-discriminatory.html>

“The Importance of Teaching Teachers: Effective teacher training on economics and finance is invaluable to implementation of Fed policy,” by Narayana Kocherlakota, former President of the Federal Reserve Bank of St. Louis. *The Region*, Published by the Federal Reserve Bank of Minneapolis, September 2011. https://www.minneapolisfed.org/publications/the-region/the-importance-of-teaching-teachers?sc_device=Default

“High School Teacher Receives High Recognition,” *Hibbing Daily Tribune*, October 2006. http://www.hibbingmn.com/news/local/high-school-teacher-receives-high-recognition/article_0a155659-369c-525a-8f9a-9ff67cc14846.html

“Economics Team Wins Nationals,” *Hibbing Daily Tribune*, May 2006. http://www.hibbingmn.com/news/local/economics-team-wins-nationals/article_4a70d1db-2270-5084-895b-d9b7739ea4b8.html

“Hibbing High School Teacher Takes Top Honors,” *Hibbing Daily Tribune*, April 2006. http://www.hibbingmn.com/news/local/hibbing-high-school-teacher-takes-top-honors/article_a6d9a943-9384-54f4-b60b-b6abcc39877d.html

“Hibbing High School Economics Teacher Recognized for Excellence and Innovation,” *Hibbing Daily Tribune*, November 2004. http://www.hibbingmn.com/news/local/hibbing-high-school-economics-teacher-recognized-for-excellence-and-innovation/article_cde1be5f-a6bc-5f46-81c8-f280e66cafab.html

Hibbing Teacher Honored for Lessons on Economics, Personal Finance. *Hibbing Daily Tribune*, November 2003. http://www.hibbingmn.com/news/local/hibbing-teacher-honored-for-lessons-on-economics-personal-finance/article_ebb66082-448a-5a95-a310-7375d2bb0e93.html

CURRICULUM AWARDS

NAEE Curriculum Awards, Platinum, *Teaching Market Structures with a Competitive Gum Market*, 2024

NAEE Curriculum Awards, Gold Award, *How Fed Policy Transmits to the Economy*, 2023.

NAEE Curriculum Awards, Gold Award, *Teaching the New Tools of Monetary Policy*, 2022.

NAEE Curriculum Awards, Gold Award, *Learning and Earning Digital Badges*, 2022
NAEE Curriculum Awards, Gold Award, *GDP and Pizza Video Series*, 2022
NAEE Curriculum Awards, Gold Award, *Monetary Policy Video Series*, 2022
NAEE Curriculum Awards, Gold Award, *Long Run Equilibrium*, 2022
NAEE Curriculum Awards, Gold Award, *Using a Structured Minimum Wage Debate in the Classroom*, 2019
NAEE Curriculum Awards, Gold Award, *Using Page One Economics to Address Controversial Topics*, 2018
NAEE Curriculum Awards, Gold Award, *Making Personal Finance Decisions*, 2017
NAEE Curriculum Awards, Gold Award, *Page One: The Productivity Puzzle*, 2017
NAEE Curriculum Awards, Silver Award, *Production Possibilities* Video, 2017
EIFLE Award, Education Program of the Year, *Making Personal Finance Decisions*, 2017
NAEE Curriculum Awards, Gold Award, *The Great Inflation*, 2016
NAEE Curriculum Awards, Gold Award, *Page One Economics: The Gold Standard*, 2016
NAEE Curriculum Awards, Gold Award, *Supply and Demand* Online Course, 2015
NAEE Curriculum Awards, Gold Award, *The Free Silver Movement and Inflation*, 2015
NAEE Curriculum Awards, Gold Award, *The Arsenal of Democracy*, 2015
NAEE Curriculum Awards, Silver Award, *Circular Flow* video, 2015
AVA Digital Awards, Gold Award, *Circular Flow* video, 2014