Day 1, August 4, 2015
Session 1: 8:30-9:20 a.m.

Scarcity from Elementary to High School
Kellie Friend, Turtle Lake Elementary & Jamie Shaw, Champlin Park High School
All Grade Levels

How does teaching about scarcity change from elementary to high school? High school teachers will understand how early learners are introduced to the fundamental concept of scarcity, while elementary teachers will see how high school standards build on previous knowledge. Lessons to teach scarcity and related concepts at both levels will be provided.

The Economics of War
Cindy Fitzthum, St. Cloud State University & Jeremy Miller, Cambridge Isanti High School
Middle/High School

The American military has been engaged in numerous conflicts during the first decade of the 21st century and new threats are continually surfacing around the world so it is more important than ever for students to understand the economics of military action. War touches many lives and provides great lessons for teaching students the true costs and benefits of military engagement. Topics include re-allocation of trade during periods of conflict, risk vs. rewards for military contractors, and historical comparisons to World War II and the Cuban Missile Crisis.

Preparing for the Personal Finance Decathlon
Tom Sutliff, Valley View Middle School & Kris Bertelsen, St. Louis Federal Reserve Bank
Middle/High School

In the Personal Finance Decathlon, teams of students compete online to demonstrate their knowledge of personal finance. Winning teams are then invited to the Federal Reserve Bank of Minneapolis for the state championship with an opportunity to earn a trip to nationals! This session will outline how the challenge is conducted, describe how students prepare for the challenge, and describe tools that are available to help your students be successful in the Personal Finance Decathlon.

Are You Ready to Give Online a Try?
Ethan Cherin, Central High School, Martha Rush, Mounds View High School, Professor Donald Liu, UMN, & Professor Agapitos Papagapitos, University of St. Thomas.
Middle/High School

MCEE offers two online summer courses -- Microeconomics for High School Educators and Macroeconomics for High School Educators. These courses offer teachers the opportunity to learn higher-level economics without the stress of an Econ 101 college classroom -- and with the support of MCEE professors and master teachers, who guide you in both content and pedagogy. Come learn more about these classes and see if they are right for you.
Session 2: 9:25-10:10 a.m.

What Economists Mean (Terminology & Common Mistakes)
Professor Agapitos Papagapitos, University of St. Thomas
All Grade Levels

Economic terms like supply, demand, scarcity, deflation and unemployment (and many more) are misused all the time in the popular media. As a result, part of teaching economics means helping students un-learn the way they use these words. Come learn about some of the most common mistakes, and how you can help your students understand exactly what economists mean.

Entre in EDU: Developing Entrepreneurs in the Classroom
Tyler Ebert, AdrenaCard
Middle/High School

Any field can benefit from the practice of innovation and entrepreneurship. Many, however, don’t learn the skills necessary to succeed until college or work, if at all. Like many fundamental concepts that will last a lifetime, the principles of I&E should be introduced early and practiced often. Here, serial entrepreneur Tyler Ebert will discuss his experience and ideas to make this happen. Tyler was introduced to entrepreneurship at a young age. He has studied and taught I&E at the University of Minnesota and is the 2015 University of Minnesota Entrepreneurs Leader of the Year.

International Economic Summit: An International Trade Competition
Martha Rush, Mounds View High School
Middle/High School

Are you looking for a way to get your students motivated to research other countries, learn about exports and imports and debate proposals on how to help developing nations and improve the world economy? The International Economic Summit, a program developed at Boise State University, is now engaging thousands of students in the U.S. and worldwide. Come learn what the Summit is all about.

iPad Apps/Technology for the Elementary Classroom
Kris Bertelsen, St. Louis Federal Reserve Bank
Elementary

This session will feature lessons designed to deepen your students’ understanding of history and other social studies disciplines by incorporating technology into your economics and social studies courses. The Federal Reserve Bank of St. Louis provides free, materials, resources and professional development opportunities to teachers all over the country. Learn how to integrate economics into your classroom using technology, printed materials, and one of the most comprehensive sources of economic data in the world.

Session 3: 12:30-1:30 p.m.

Teaching Opportunity Cost & Decision-Making: K-12
Gail Colbert, Tartan High School
All Grade Levels
This session presents a selection of lessons for teaching the fundamental concepts of opportunity cost and decision-making across the curriculum. It will provide teachers with examples of what and how we can teach students in elementary, middle, and high school about these concepts.

**Econ Connect**  
*Emily Anderson, Blaine High School*  
*All Grade Levels*

Econ Connect is an exciting opportunity for your students to bring class concepts to life through brief 2-5 minute creative presentations illustrating the role of economics in their daily lives. Students use their talents and abilities to dissect and demonstrate the economic concepts from articles they read, a commercial they watch, conversation they have, or decisions they make. Use of this teaching technique is sure to become a student favorite!

**Economics Challenge: Students vs. The Professors**  
*Professor Donald Liu, UMN, Professor Agapitos Papagapitos, University of St. Thomas, Martha Rush, Mounds View High School, Ethan Cherin, Central High School, and students from Mounds View High School*

It’s fun watching students in a National Economics Challenge Quiz Bowl showdown every spring, competing to see who can buzz in more quickly to name the Fed chair or define core inflation. Will it be even more fun to watch students try to defeat econ teachers and professors? We’ll find out.

**Getting Started with Kahoot**  
*Kellie Friend, Turtle Lake Elementary & Nancy Krenner, Red Rock Elementary*  
*Elementary*

What is Kahoot? Kahoot is a fun, interactive way to get students engaged in their learning. In this session you will learn how to get started with Kahoot and creative ways to use Kahoot as a learning tool in your economics classroom. Participants should bring their own device to this session. Kahoot works with laptops, smartphones, and tablets.

**Session 4: 1:40-2:30 p.m.**

**High School Economics Lesson: Production Possibilities & Opportunity Cost**  
*Tom Sutliff, Valley View Middle School*  
*High School*

This session presents the first lesson in the publication *High School Economics, 3rd Edition*. It introduces production possibilities analysis, the production possibilities frontier and the concept of opportunity cost. Students participate in several short production simulations and create their own PPF curves.

**Study Tour: Teaching Modern Germany**  
*Kris Hauessinger, Byron High School*  
*All Grade Levels*

Learn about lessons & walk away with a book of resources to teach social studies lessons using Germany as a backdrop to cover your economic, geography, or history standards! This fun and interactive session will also give educators an opportunity to learn about free study tours to Germany.

**JA Titan**
Thomas O'Hern, Junior Achievement Upper Midwest
Middle/High School

JA Titan is an in-classroom, online business simulation, in which high school students learn concepts and strategies as supplier and seller of a product, in that they are exposed to the manufacturing and retail side of business. JA Titan is at no cost and is typically a two-day process; the first day is student instruction by a JA volunteer, and the following day is the business simulation competition to which students compete against each other in teams. Over 4,000 high school students from the Twin Cities participated with JA Titan during the 2014-15 school year. We also hold competitions at Thrivent Financial in downtown Minneapolis and at the Best Buy headquarters in Richfield during the late spring.

Flip Your Classroom
Emily Anderson, Blaine High School
High School

Participants will learn about the philosophy of the flipped classroom and be introduced to technological options to record and host their lectures online. Participants will familiarize themselves with best practices regarding how newly freed up classroom time can be effectively used, including differentiation and intervention strategies.

Day 2, August 5, 2015
Session 1: 8:00-8:50 a.m.

The Boy Who Harnessed the Wind
Kristen Erickson, Otter Lake Elementary
Elementary

Students will look at the economic decision making process and analyze how making alternative choices can affect the economic outcome of a situation. William Kamkwamba’s story will serve as a guide through this process. This lesson integrates technology through the use of a Kahoot quiz, Google Presentation, and a ThingLink.

The Federal Reserve
Terry Fitzgerald, Minneapolis Federal Reserve Bank
All Grade Levels

What is the Federal Reserve? What does it do? And why should you and your students care? The Federal Reserve has been constantly in the news in recent years. Yet there remains a great deal of confusion about just what the “Fed” is and does. This session provides “jargon free” answers.

Developing Financial Capability Experientially through a Mobile Game
Maggie Knutson, Ph.D, Mindblown Labs
Middle/High School

How awesome would it be if a mobile game could help your students develop money management skills? What if such a game even had an experiential learning curriculum that accompanied it? You are invited to learn about a model for teaching personal finance that incorporates a mobile game, which is as engaging as Candy Crush; blended learning lesson plans; and a few other cool features.

A Macroeconomic Project Using FRED
Jamie Shaw, Champlin Park High School
High School
Learn how I use the Federal Reserve online database FRED in the classroom and tailor the data to make it easy for kids to access and analyze for a project, presentation, or report about macroeconomic indicators and the business cycle.

**Session 2: 9:00-9:50 a.m.**

**Learning Math through Econ**  
*Nancy Krenner, Red Rock Elementary*  
*Elementary*

Don’t neglect the elementary econ standards because you’re overloaded with math and reading. In this session, you’ll learn how to integrate econ into your math standards in grades 2-5. Activities and takeaways will be available.

**International Economic Development**  
*Ethan Cherin, Central High School*  
*High School*

Despite its importance, international economic development is a topic that rarely gets adequate coverage in high school economics classes. This session will address some key issues associated with how economists define and attempt to measure development. It will also present resources and activities you might use to begin talking about international economic development with your students.

**JA Company**  
*Kelly Ahern & Thomas O’Hern, Junior Achievement Upper Midwest, Ishan Jaithwa, Cummins, Inc., and Jered Everson*  
*Middle/High School*

JA Company Program teaches business, entrepreneurship, and economics concepts to students in grades nine through twelve. The program emphasizes business content while providing a strong focus on social studies, mathematics, reading, and writing skills. Students are encouraged to use innovative thinking to create, market, and operate their own company as part of a school-based organization, club, or classroom enterprise. During a semester or over 12 weeks, students sell stock to raise capital, elect officers, buy materials, market their product or service, pay a dividend to stockholders, and liquidate their company. By organizing and operating an actual business, students learn to understand and appreciate the responsibilities each person has in running a business.

**Formative Assessments with Google Forms and Flubaroo**  
*Steve Drewlo, Blaine High School*  
*Middle/High School*

In a time when educators are being pressed to use data to support their instruction, Google has risen to the challenge by providing simple tools to collect and analyze data. Participants will learn how to quickly and painlessly create formative assessments using Google Forms and how to grade them using Flubaroo, a free Google add-on, leaving you with individualized and class data to use as you wish.

**Session 3: 10:50-11:40 a.m.**

**Jordan’s Dilemma**  
*Tatiana Stoll, Stadium View High School*  
*Middle/High School*
Winner of MCEE’s 2014 3M Innovative Economic Educator Award, Jordan’s Dilemma is a learning activity on decision-making designed to be highly engaging, especially for at-risk youth and students with special needs. In this learning activity, a student must make a decision while addressing the competing pressure from friends, his mother, and his girlfriend. Costs, benefits, and trade-offs are examined using the PACED decision-making grid. This activity addresses the Minnesota academic benchmark in economics: “understand that because of scarcity, individuals, organizations, and governments must evaluate trade-offs, make choices, and incur costs.”

**St. Louis Fed: Children’s Literature & eBooks**  
Kris Bertelsen, St. Louis Federal Reserve Bank  
Elementary

Get your students on the path to economic and financial literacy while enhancing the free resources from the Federal Reserve Bank of St. Louis. Use children’s literature to integrate economics, personal finance, reading, and math concepts into your social studies instruction.

**Creative Toy**  
Kellie Friend, Turtle Lake Elementary & Jamie Shaw, Champlin Park High School  
All Grade Levels

This session will demonstrate how to conduct a simulation where students create a product, determine its cost, and set its price in the market to maximize profit. The simulation will be demonstrated for an elementary classroom and adapted for use in high school to meet relevant economic standards.

**Using Technology to Support Standards-Based Grading**  
Steve Drewlo, Blaine High School  
All Grade Levels

Standards-based grading is a grading system that represents a student’s progress towards mastery of standards (learning targets) rather than a reflection of assignment completion. The transparency of this grading system gives teachers more information about the student’s progress in meeting the level of proficiency required by each standard, helps students and parents better understand the learning that needs to take place, and encourages student reflection and accountability. In this session we will discuss the pros and cons of this grading system and share the ways we have used technology to implement it in a high school economics classroom.

**Session 4: 1:00-2:00 p.m.**

**The C3 Framework & Economic Education**  
Laurence Brodeur, St. Paul Public Schools  
Elementary

This session will look at how the College, Career and Civic Life (C3) Framework shapes new directions in economic education. Participants will explore and experiment the implementation of elementary economics standards with a C3 unit template.

**Economic Impacts of the Bakken**  
Joseph Mahon, Minneapolis Federal Reserve Bank  
Middle/High School

Western North Dakota and eastern Montana have changed dramatically as hydraulic fracturing has opened the Bakken and Three Forks shale formations to oil and gas extraction. Since the energy boom began, almost 10,000 wells
Global Food Challenge
Rayce Hardy, Austin High School
Middle/High School

In this session we will see how the Global Food Challenge, which can be used as a major curriculum piece in a high school economics course OR used as an assessment tool, aligns with state and national standards, can be used to help prepare students for college and the workforce, and provides teachers with ready-made units that naturally combine curriculum, instruction, and assessment in an engaging format. We will also take a look at a few winning submissions and the accompanying incentives provided by MCEE and its generous sponsors. Finally, we will see how technology can be used as an aid in the classroom. The Challenge's four units are: Basic Economics of Food Markets, Economics of World Food Trade, Economics of Food Security and Economics of Food Safety.

iPad Apps for the High School Classroom
Michael Miller, Edison High School

In the session iPad Apps for High School Classroom, we will look at a few iPad apps together including 'FRED,' 'EconWise,' 'EconEd Mobile - econ lowdown,' and 'ShowMe.' While talking about these apps, we will also look at using a classroom LMS to support your use of iPads in the classroom and at home.

Virtual Economics 4.5 2:00-3:00 p.m.
All Grade Levels

Attend the Virtual Economics 4.5 session to receive the newest edition of this resource from the Council for Economic Education, which includes the publication High School Economics. Held in the computer lab, the session will provide an opportunity for you to explore the resource through a guided scavenger hunt. Conference participants must be present at the session to receive the flash drive.