



Professional Development
Elementary Mathematics and Economics -
Engaging Lessons for Grades K-5 After
School & Summer School Learning

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Local resources:

- Insert your local professional development opportunities (if applicable)

Colleen Gray



- Education Director, Minnesota Council on Economic Education (MCEE)
- Passion for economics education began as a 5th grade teacher
- Committed to helping educators understand and confidently teach economics standards
- Background in Education, Non-Profit Management & Human Resources



Our Vision

Economic and financial literacy education has transformed the lives of Minnesotans, empowering them to find pathways to life and workplace success, and to provide for family and community stability.

Teaching Teachers, Engaging Students, and Reaching Communities

Objectives



- **Understand** the curriculum background and recent updates
- **Identify** the three topical units covered in each grade
- **Review** grade level content
- **Know** how to access curriculum resources
- **Feel** prepared to teach the classroom-ready lessons

Agenda



- Highlight National Standards covered in the curriculum
- Visit the M/E curriculum background
- Review the MCEE lesson plan layout & Intro docs
- Identify the unit topics
- Sample grade-level lessons
- Spotlight CEE's Ready Assessments
- Reflect on today's learning
- Answer questions
- Share resources

National Standards



- Standard 1: Scarcity
- Standard 2: Decision Making
- Standard 3: Allocation
- Standard 5: Trade
- Standard 6: Specialization
- Standard 7: Markets and Prices
- Standard 9: Competition and Market Structure
- Standard 11: Money and Inflation

2021 MN State Social Studies Standards



Kindergarten

- K.2.7.1
- K.2.9.1
- K.2.10.1
- K.2.12.1

First Grade

- 1.2.7.1
- 1.2.8.1
- 1.2.11.1
- 1.2.12.1

Second Grade

- 2.2.7.1
- 2.2.8.1
- 2.2.9.1

Third Grade

- 3.2.8.1
- 3.2.9.1
- 3.2.10.1

Fourth Grade

- 4.2.7.1
- 4.2.8.2
- 4.2.10.1
- 4.2.11.1

Fifth Grade

- 5.2.9.1
- 5.2.10.1
- 5.2.11.1
- 5.2.12.1

MCEE M & E Curriculum Background



Mathematics & Economics was originally created in to boost 2-5 grade math scores for students in the St. Paul Public school district

MCEE Revisions:

- Creation of Kindergarten & 1st Grade content
- Focus on Diversity, Equity and Inclusion (DEI) lens
- Online Google format to copy and edit as teacher sees fit
- CEE's Ready Assessment option
- English & Spanish versions

MCEE M & E Lesson Plan Template



LESSON Plan

[Title of Lesson or Unit]



Lesson Title	Grade Level	Time Required
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Lesson Description
Goals/Objectives

Materials

Handout List

Standards/Benchmarks

Access for All Learners	<p>Questions to consider while preparing the lesson to ensure all students have the access/ability to appropriately engage in the lesson:</p> <ul style="list-style-type: none"> Do any of my students need different modalities (e.g., through vision, hearing, or touch) or information in a format that will allow for adjustability such as text that can be enlarged, sounds that can be amplified? Are there instructional strategies I could use (e.g., graphic organizers, sentence stems, Visual Thinking Strategies) to make the lesson more accessible and less intimidating for my ELL students? Do the assessments reflect what my students know? <p>To learn more about making lessons accessible for your students, access these links: Universal Design for Learning Guidelines; Universal Design for Learning: Meeting the Needs of All Students; Best Practices for Serving English Language Learners and Their Families</p>
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Anti-Bias Considerations	<p>Questions to consider while preparing the lesson to ensure the lesson supports inclusion for all of your students:</p> <ul style="list-style-type: none"> Will my students see themselves in the lesson and if not, how can I enhance the lesson so that each student can see themselves? Is the lesson relevant to my students' lives and lived experiences and if not, what changes can I make to the lesson to make it relevant to my students? How can I encourage students to question and respond to ideas or examples they consider to be unfair? How will I respond to stereotypical or unjust ideas that emerge in discussion or the lesson itself? <p>To learn more anti-bias education, access these links: AMAZEworks: Teaching for Change</p>
Prior Knowledge	No prior knowledge of economics concepts or vocabulary assumed.
Vocabulary	<p>...</p> <p>Definitions of terms used in this lesson can be found in the Glossary to this curriculum.</p> <p>For additional terms and definitions, as well as a tool to create custom flashcards, please consult the Glossary of Economics and Personal Finance Terms from the Federal Reserve of St. Louis.</p>
Instructional Procedures	<p>Use this checklist for important considerations while planning.</p>
Lesson Assessment	
Additional Resources	An additional list of children's literature and resources can be found in the Annotated Bibliography: ME - Resource List - Childrens Literature and Additional Resources
Learning Resources	
Sources Cited	

Getting Started



- [Curriculum Introduction](#)
- [Ready Assessments](#)
- [Social Justice Standards Integration](#)
- [Table of Contents](#)

Three Topical Units in Each Grade



Grade K-5 lessons organized by the following topics:

1. Decision-Making
2. Personal Finance
3. Business/Production



Kindergarten Unit Samples

Unit 1 - Decision-Making

[K1 - Want to Swap](#)

[K1-1 - Handout Swap Chart and Key](#)

[K1-2 - Handout Swap items](#)

Unit 2 - Personal Finance

[K6 - Money Choices](#)

[K6-1 - Visual - Playdough](#)

[K6-2 - Visual - Smoothie](#)

[K6-3 - Visual - Lego Set](#)

[K6-4 - Visual - Book Set](#)

Unit 3 - Business/Production

[K7 - What Do People Do](#)

[K7 - 1 - Google Slide Deck - What do people do?](#)

First Grade Unit Samples



Unit 1 - Decision-Making

[G1-3 - How Can We Decide](#)

[G1-3-1 Google Slide Deck - How Can We Decide](#)

[G1-3-2 - Handout - Pros and Cons](#)

Unit 2 - Personal Finance

[G1-4 - Marias Budget](#)

[G1-4-1 Handout - Marias Budget Story](#)

[G1-4-2 Handout - Amusement Park Budget Exercise](#)

Unit 3 - Business/Production

[G1-8 - Open For Business](#)

[G1-8-1 Google Slide Deck - Arthur's Pet Business](#)

Second Grade Unit Samples



Unit 1 - Decision-Making

[G2-1 - Choices Choices Choices](#)

[G2-1-1 - Handout - Choices Bar Graph](#)

Unit 2 - Personal Finance

[G2-4 - What Makes Something Useful as Money](#)

[G2-4-1 Google Slide Deck - What Makes Something Useful as Money](#)

[G2-4-2 - Handout - How Many Cents](#)

[G2-4-3 - Answer Key- How Many Cents](#)

[G2-4-4 - Handout - Solving Real World Math Problems](#)

[G2-4-5 - Answer Key - Solving Real World Math Problems](#)

Unit 3 - Business and Production

[G2-7 - Does Honey Come From Cows](#)

[G2-7-1 - Google Slide Deck - Does Honey Come from Cows?](#)

Third Grade Unit Samples



Unit 1 - Decision-Making

[G3-1 - Danny Chooses a Pet](#)

[G3-1-1 - Visual - Dannys Birthday](#)

[G3-1-2 - Visual - Decision Making Grid Key](#)

[G3-1-3 - Handout - Decision Making Grid](#)

Unit 2 - Personal Finance

[G3-4 - Money and Exchange](#)

[G3-4-1 Google Slide Deck - Money and Exchange](#)

Unit 3 - Business and Production

[G3-7 - The Bookmark Factory](#)

[G3-7-1 - Handout - Rectangles](#)

[G3-7-2 - Handout - Circles](#)

[G3-7-3 - Handout - Bookmark Factory Production Data](#)

[G3-7-4 - Visual - Factory Production Record](#)

Fourth Grade Unit Samples



Unit 1 - Decision-Making

[G4-1 - Using the PACED Process](#)

[G4-1-1 - Visual - Field Trip Options](#)

[G4-1-2 - Visual - PACED Decision Making Steps](#)

[G4-1-3 - Handout- PACED Decision Making Grid](#)

Unit 2 - Personal Finance

[G4-3 - How Big is the Schoolyard](#)

[G4-3-1 - Activity - Schoolyard Scarcity](#)

[G4-3-2 - Activity - Schoolyard Scarcity Fields](#)

[G4-3-3 - Activity - Schoolyard Scarcity Hockey Rinks](#)

[G4-3-4 - Activity - Schoolyard Scarcity Playground Areas](#)

[G4-3-5 - Activity - Schoolyard Scarcity Courts](#)

Unit 3 - Business and Production

[G4-6 - The Packet Factory](#)

[G4-6-1 - Handout - Packet Factory Pattern Sheets](#)

[G4-6-2 - Handout - Production Data](#)



Fifth Grade Unit Samples

Unit 1 - Decision-Making

[G5-3 Making Decisions Big and Small](#)

[G5-3-1 - Visual - Count the Decisions](#)

[G5-3-2 - Handout - Decision-Making Log](#)

[G5-3-3 - Visual - Decision-Making Comparison Graph](#)

Unit 2 - Personal Finance

[G5-4 Income & Budget Unit](#)

[G5-4-1 Visual- Tim's Interactive Story](#)

[G5-4-2 - Handout - Tim's Budget Story](#)

[G5-4-3 - Answer Key - Tim's Budget Story Worksheet](#)

Unit 3 - Business and Production

[G5-5 - Creative Toy](#)

[G5-5-1 - Visual - Creative Toy Input Prices Example](#)

[G5-5-2 - Handout - Creative Toy Determining Profits](#)

[G5-5-3 - Handout - Creative Toy Classroom Dollars](#)



Ready Assessments

- Optional online pre and post assessments for each grade level
- [CEE's Ready Assessment Overview](#)
- [Ready Assessment Instructions](#)

- Dashboard
- Learning Content
- Assessment
 - Create Questions
 - Create Assessments
 - Manage Class Assessments
 - View Class Report
 - View Student Report
- Roster
- Archived user
- Settings
- Group

View Test

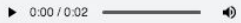
MCEE Math and Econ Kindergarten Pre Test

The Kindergarten assessment will focus on choices, needs and wants, budgets and resources.

Total Questions- 10

Q 1.

Select the picture that shows a good/s.




Ready Assessments

Features

- Students can read the questions
- Students can have the questions read to them
- Teachers/districts can generate result reports
- Spanish version coming soon!

Reflect: Can you answer yes to these questions?



Do you **understand** the curriculum background and recent updates?

Can you **Identify** the three topical units covered in each grade?

Did we **review** the grade level content?

Do you **know** how to access lessons?

Do you **feel** prepared to teach the classroom-ready lessons?

What questions do you have?



Resources



- [Mathematics and Economics: Grades K-5 Curriculum \(English\)](#) (Spanish version coming soon!)
- [Minnesota Council on Economic Education](#) – Join us for our June Summer Institute !
- [EconEdLink](#)

CEE Affiliates



A network of 200 nationwide affiliates

Provide professional development for K-12 teachers, advocate for including economics and personal finance in K-12 schools, conduct research, and forge partnerships.

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