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# Using Graphing Calculators in Your Financial Literacy Program

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Texas Instruments

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# Agenda

- Welcome & Introductions
- Next Generation Personal Finance (NGPF)
- Classroom activities – support math & FL
- Webinar drawing

# Expected Outcomes

**I CAN** find resources to support my math instruction that also touch on financial concepts.

**I CAN** apply TI-84 Plus CE and TI-Nspire™ Technology to engage my students in linear and exponential functions.

**I CAN** identify ways to utilize the TI-84 Plus CE and TI-Nspire™ Technology to show multiple representations of a concept.

# Introduction to ngpf

NEXT GEN PERSONAL FINANCE

ngpf
MISSION: 2030
By 2030, ALL students will take a one-semester personal finance course before they graduate from high school.

# Access to personal finance courses in the U.S.

# NGPF Curriculum & Courses

## HIGH SCHOOL PERSONAL FINANCE COURSE

Flagship course!

### SEMESTER COURSE

**18 weeks of daily instruction to fit a traditional semester**

- Aligned to national standards
- Activities and curated resources built into all lessons
- Activities and exams are translated into Spanish
- Diagnostic, Unit, and Final exams
- Nearpod lessons

## ALSO AVAILABLE

### FINANCIAL ALGEBRA

Perfect for a semester-long elective or full-year math alternative

### MIDDLE SCHOOL

Built to deliver personal finance to your middle school students

# The Financial Algebra Course

# Why We Built This Course

NGPF's Financial Algebra Course

- Core Algebra I concepts with extensions beyond
- Bridges math & personal finance
- Promotes engagement with dynamic resources
- Answers: "When will I use this?"

# Course Overview

## Why teach real-world personal finance skills in Algebra?

Currently, just 1 in 4 U.S. high schoolers takes personal finance, yet nearly every student takes Algebra. Cross-curricular instruction - delivered by confident Algebra teachers with world-class curriculum - has the potential to impact the future of the *entire* next generation of young people, not just the lucky few.

### COURSE OBJECTIVE

The NGPF Financial Algebra course is for **high school math teachers** who are looking to weave *real-world* personal finance applications with math standards alignment and deep algebraic rigor.

## NGPF's Financial Algebra Course

The NGPF Financial Algebra Course organizes the many financial applications of traditional Algebra skills into a cohesive narrative: **one semester in 10 units.**

| PERSONAL FINANCE UNIT | CORE MATH COMPETENCY |
|---|---|
| 1. Taxes | Fundamentals of Algebra |
| 2. Checking | Linear Equations |
| 3. Saving | Systems of Equations |
| 4. Budgeting | Systems of Inequalities |
| 5. Intro to Investing | Exponential Functions |
| 6. Investing Strategies | Exponential Functions |
| 7. Types of Credit | Modeling Functions |
| 8. Managing Credit | Fundamentals of Statistics |
| 9. Paying for College | Statistical Analysis |
| 10. Insurance | Probability |

# Two Different Lesson Types

## PERSONAL FINANCE

- Intro Activity
- Learn It (finance content)
- Math Connection
- Exit Ticket

**Unit 10, Lesson 5:**
**Auto Insurance**

## MATH

- Intro Activity
- Learn It (math skills)
- Practice It
- Application

**Unit 10, Lesson 2:**
**Intro to Probability**

# Explore NGPF Math

# The Financial Algebra Page

The Financial Algebra Course includes 10 units, each blending one math topic and one personal finance topic.

Find all the course materials at *www.ngpf.org/math/financial-algebra/*

# Individual Math Activities

100+ real-world math activities that are filterable by topic and standard.

Find all NGPF Math activities at *www.ngpf.org/math/activities*

# Share What You're Learning Today

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**#T3Learns**

**Join the TI Teacher Community conversation on Facebook!**

# Webinar Drawing

## One lucky winner receives a TI graphing calculator!

Choose from:

TI-84 Plus CE Python
TI-84 Plus CE
TI-Nspire™ CX II
TI-Nspire™ CX II CAS

And the winner is …

# Q&A

Questions on anything covered today?

# Download Your Certificate of Attendance

**Using Graphing Calculators in Your Financial Literacy Program**

https://bit.ly/3rMQgzB

# Post-Webinar Follow-up

Find useful resources, answers to your questions and access to friendly, knowledgeable customer support and technical reps.

General Questions: 1.800.TI.CARES

Technical Questions: 972.917.8324 or ti-cares@ti.com

For a consultation on an upcoming purchase of TI Technology or professional development, please contact us at: ti-educators@ti.com

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**Tell us how we did**

Right after this session, you will receive a survey. We appreciate your feedback so that we can improve future events.

# Thank you