

NGPF Tools for Teaching Cryptocurrency

2023



The Goal



Explore **5** NGPF Cryptocurrency resources in **50** minutes that you can use immediately in the classroom

Note: This session does not focus on teaching what cryptocurrency is, but rather on curriculum you can use with students!

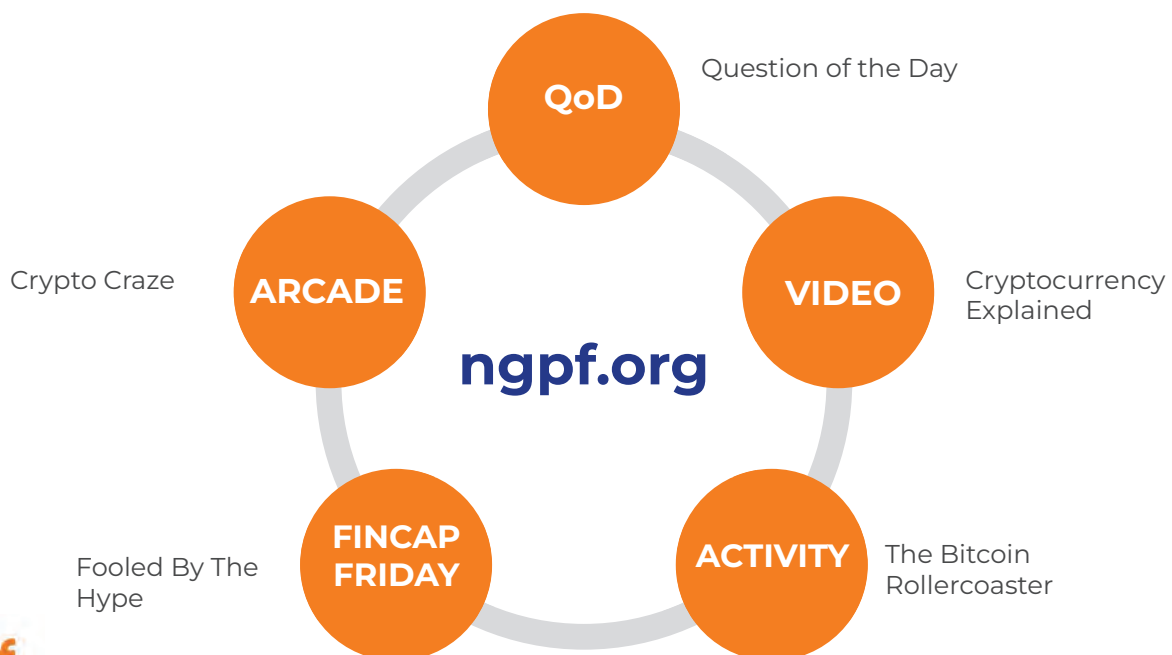
For understanding crypto, check out NGPF's Certification Course: *Cryptocurrency Basics* or NGPF's On-Demand, *Basics of Bitcoin*.

NGPF's Approach to the Mini-Unit

- Goals:
 - To **inform** and **educate**
 - Encourage students to **think critically** and make an informed decision about whether or not they want to invest in cryptocurrency
 - Bring some **balance** to all the hype around investing in crypto
- The mini-unit does NOT try to persuade or dissuade someone from investing in crypto
- Note to students that crypto is ever changing; the dust hasn't settled yet!



5 in 50: Cryptocurrency Resources



1. Question of the Day



QUESTION OF THE DAY

Cryptocurrency

Q:

What percent of 18-29 year olds have invested in, traded or used a cryptocurrency (e.g., Bitcoin or Ether)?



QUESTION OF THE DAY

Cryptocurrency

A:

% of U.S. adults who say they themselves have ever invested in, traded or used a cryptocurrency such as bitcoin or ether

U.S. adults  16

Men  23




Women  9

Ages 18-29  28

30-49  23

50+  7

Men 18-29  42
30-49  33
50+  9

Women 18-29  17
30-49  12
50+  5

White  13
Black  20
Hispanic  22
Asian*  22

Upper income  20
Middle income  16
Lower income  15

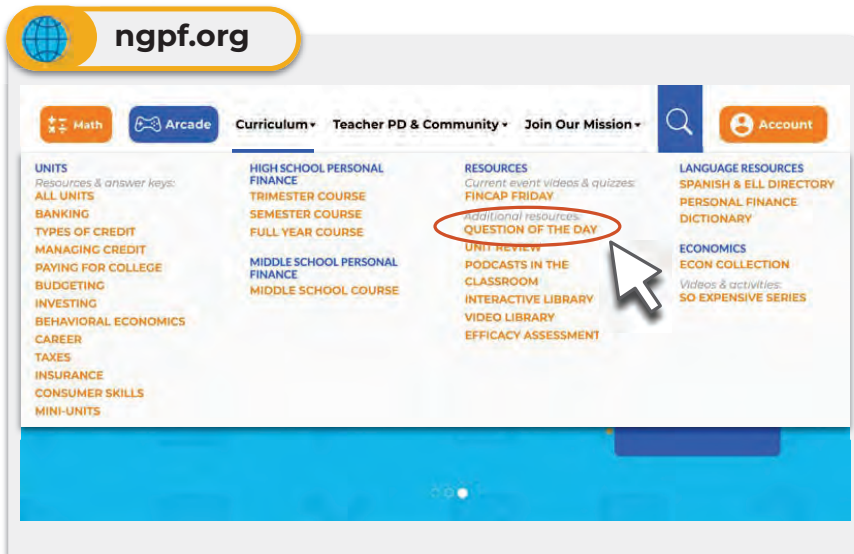
*Estimates for Asian adults are representative of English speakers only.

[Click here for more info on this topic](#)

FOLLOW-UP QUESTIONS

1. Have you ever invested in/traded or used a cryptocurrency? Why or why not?
2. Why do you think that more young adults are active with cryptocurrencies than older adults?
3. What are the differences that you see by gender?
4. Does any of this data about who is trading/investing/using cryptocurrencies surprise you? Explain.

NGPF Question of the Day



- Daily bell ringers sure to hook your students
- Released to the NGPF blog **Monday - Thursday** during the school year
- A QoD library is available organized by unit/topic



Quick intro to





MISSION: 2030

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

Quick Intro to NGPF



Curriculum

Courses for HS & MS

Semester Course

Lesson Plans, Activities,
& Projects

Arcade (TOP HIT!)



Teacher PD

3-5 live events/wk

40+ On-Demands

**12 content area
Certifications**

NGPF Academy



Advocacy

Mission 2030

Educators as
advocates

**It's all about access
& quality**

2. Video

Cryptocurrency Explained

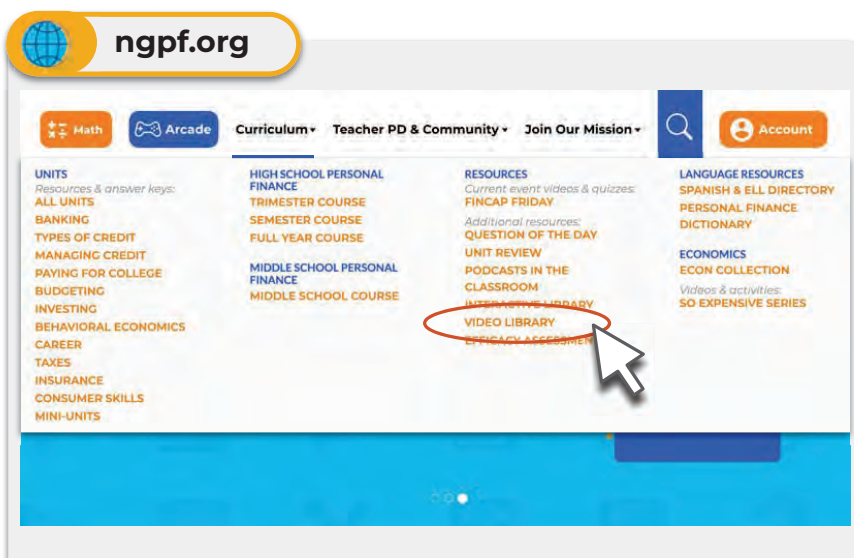


Video Recap

- Cryptocurrency uses a decentralized system to verify and secure transactions (banks use a centralized system)
- Blockchain = Cryptocurrency's digital ledger system
 - Each copy of the ledger is updated simultaneously
 - The blockchain is updated through a process called "mining"
- Miners use their computers to solve complex mathematical puzzles that are unique to that particular transaction. Once the problem is solved, they can verify that the transaction is accurate. All miners on the same ledger confirm → increases security.
- Miners are then paid in cryptocurrency!



NGPF Video Library + EdPuzzle



3. PLAY: The Bitcoin Rollercoaster

PLAY

The Bitcoin

Rollercoaster



Setup

Take a few minutes to copy this chart on some paper.

ROUND & DATE	PREDICTION		SCORING	
	Rise, Fall, or No Change	Percent Change	Rise, Fall, or No Change	Percent Change
1 - Feb 2019				
2 - Apr 2019				
3 - Jul 2019				
4 - Oct 2019				
5 - Mar 2020				
6 - Jul 2020				
7 - Sep 2020				



Directions

PREDICTING...

You and your team discuss and make two predictions:

- a. Did the price of Bitcoin rise, fall, or stay the same as a result of this event?
- b. By what percentage did the price of Bitcoin change?

SCORING

Score both of your predictions:

- a. 1 point if you predicted the rise, fall, or stay the same correctly
- b. 1 point if you predicted the percentage change within + or - 4%

BIRTHDAY!

FEB 2019



**It's Bitcoin's 10th birthday,
and the price of a single
bitcoin is \$3,893**

Round 1 - Feb 2019

FEB 2019



**Absolutely nothing
pertaining directly to Bitcoin
happens, and yet...**

Round 1 - Feb 2019

FEB 2019



Falls -10%

Round 2 - Apr 2019

APR 2019



April Fools prank article pretends that the SEC approved a Bitcoin-based ETF. It was a total lie.

Round 2 - Apr 2019



APR 2019

Rises 20%

Round 3 - Jul 2019



JUL 2019

**President Trump tweets that
crypto is “based on thin air”
and “unlawful”**

Round 3 - Jul 2019

JUL 2019



Falls -28%

Round 4 - Oct 2019

OCT 2019



**Chinese President Xi Jinping
voices support for blockchain
technology & says China
wants to invest more in
cryptocurrencies**

Round 4 - Oct 2019



OCT 2019

Rises 23%

BIRTHDAY!



JAN 2020

**It's Bitcoin's 11th birthday,
and the price of a single
bitcoin is \$7,345**

compared to \$3,893 last birthday

Round 5 - Mar 2020

MAR 2020



Covid pandemic hits

Round 5 - Mar 2020

MAR 2020



**Falls -50%
in less than a week**

Round 6 - Jul 2020

JUL 2020



**Ethereum surpasses Bitcoin
as the crypto network that
settles the most value per
day**

Round 6 - Jul 2020

JUL 2020



Rises 3%

Round 7 - Sep 2020

SEP 2020



Many investors rush to sell with the price near \$12,000, creating a “dump” of bitcoin onto the exchanges

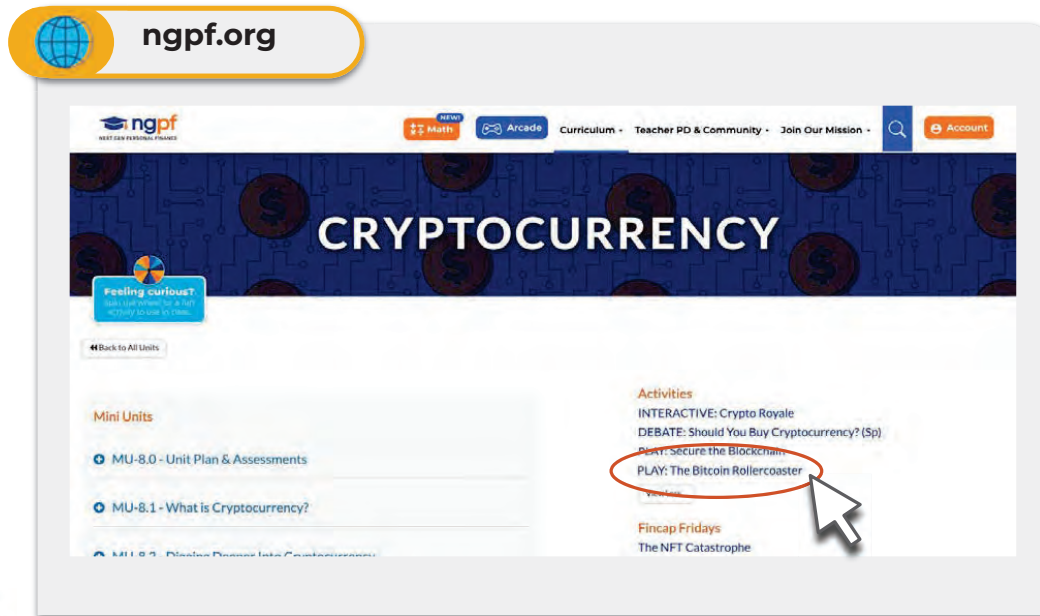
Round 7 - Sep 2020

SEP 2020



Falls -10%

PLAY: The Bitcoin Rollercoaster



4. FinCap Friday



Fooled by the Hype



Click on the Kahoot icon below to begin the quiz.
Alternatively, you can use [EdPuzzle](#).

Kahoot!



1. Which celeb below was NOT accused of promoting Ethereum Max (EMAX) as a pump & dump scheme?

- a) Kim Kardashian
- b) Lil Pump
- c) Floyd Mayweather
- d) Paul Pierce



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2. What is a "pump and dump" scheme?

- a) When fraudsters call you from a "scam likely" number
- b) When fraudsters promote scam companies that don't exist on social media
- c) When fraudsters hype up an investment and then sell their shares
- d) When fraudsters pay previous investor returns with funds from new investors



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3. The Securities & Exchange Commission (SEC) is a US government agency responsible for:

- a) Making sure that anyone trading securities is being fair and orderly
- b) Making sure that crypto scammers are put in jail
- c) Protecting the NYSE from any attacks
- d) Holding all US money deposited into bank accounts or investment accounts



FOOLED BY THE HYPE | JANUARY 21, 2022 EDITION | NEXT GEN PERSONAL FINANCE

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4. Why do crypto enthusiasts defend cryptocurrency even though there have been many crypto scams?

- a) They say bad people are taking advantage of a new technology with few rules
- b) They believe only people who are not smart will be scammed
- c) They refuse to admit that crypto scams exist
- d) They think the scammers will just go away on their own



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5. Why is the seller or promoter of a product not a strong source of information for your research?

- a) They are likely to show you the bad news about their products
- b) They are probably not good at their job
- c) They are unbiased about the product they're selling
- d) They have a vested interest in making the sale



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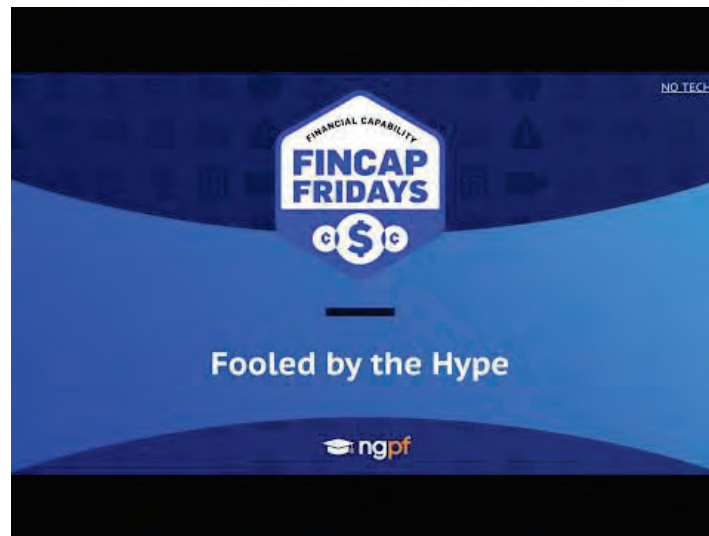
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You've completed the exercise, now it's time to learn more about the current event:



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Discussion Prompt:

Would you buy or invest in something because your favorite celebrities are promoting it? Why or why not?



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Extend Your Learning

Relevant Resources from NGPF:

- How to spot scams ([Edpuzzle](#))
- Should You Buy Bitcoin? ([Edpuzzle](#))
- What type of currency are taxpayers now required to disclose on their 2020 tax return? ([Question of the Day](#))

References:

- Kim Kardashian, Floyd Mayweather sued over cryptocurrency promotion ([FOX Business](#))
- Celebs sued by investors over alleged crypto scam ([CNBC](#))
- FCA warns over crypto assets pushed by stars such as Kim Kardashian ([The Guardian](#))
- Avoiding a cryptocurrency scam ([Federal Trade Commission](#))
- 2021 Instagram Rich List ([Hopper HQ](#))



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FinCap Friday

The screenshot shows the ngpf.org website interface. At the top, there is a navigation bar with 'ngpf.org' and a search icon. Below the navigation bar, there are several menu items: 'Math', 'Arcade', 'Curriculum', 'Teacher PD & Community', and 'Join Our Mission'. The main content area is divided into four columns: 'UNITS', 'HIGH SCHOOL PERSONAL FINANCE', 'RESOURCES', and 'LANGUAGE RESOURCES'. The 'RESOURCES' column is circled in red and contains the following items: 'Current event videos & quizzes: FINCAP FRIDAY', 'Additional resources: QUESTION OF THE DAY', 'UNIT REVIEW', 'PODCASTS IN THE CLASSROOM', 'INTERACTIVE LIBRARY', 'VIDEO LIBRARY', and 'EFFICACY ASSESSMENT'.

- Bring current events into the classroom
- Released to the NGPF blog every **Friday** during the school year or view the FinCap Friday library!

5. NGPF Arcade: Crypto Craze

NGPF Arcade

- Free online games covering many different units
- Each has a student activity worksheet with reflection questions
- Engages students with game-based learning!



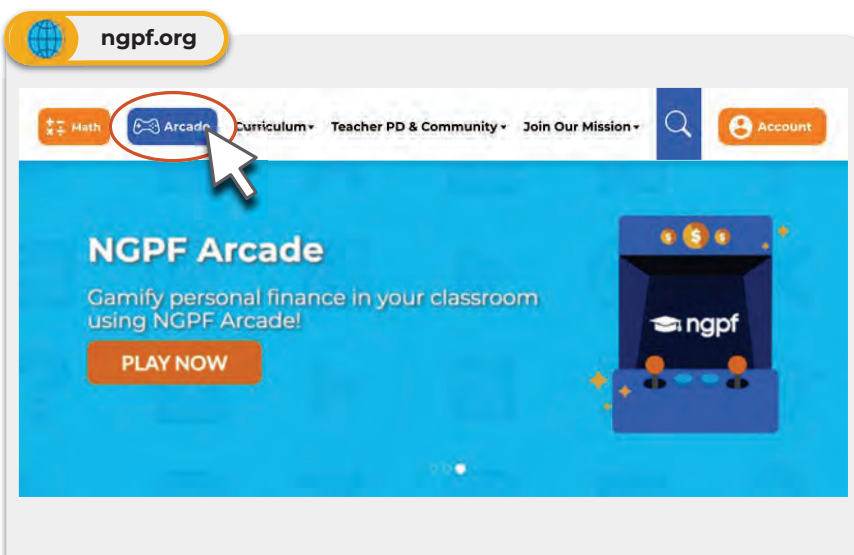
Crypto Craze



- Play 10 rounds of buying, selling, and/or holding cryptocurrency
- Players will try to maximize their crypto investing profits to win a class-wide game or in solo mode
- Learn exactly how volatile crypto can be!



Let's Play!



Answer Keys & Assessments

Free Teacher Account

ngpf
NEXT GEN PERSONAL FINANCE

NEW! [FAST!](#) [Arcade](#) [Curriculum](#) [Teacher PD & Community](#) [Join Our Mission](#) [Log In](#) [Sign Up Free](#)

Your FREE Teacher Account unlocks:

- ANSWER KEYS**
Once our team verifies your teacher status, all of the answer keys become accessible alongside lessons and activities on the unit pages! NGPF Answer Keys are locked and encrypted to prevent academic dishonesty.
- STUDENT ASSESSMENTS**
Pre-built, customizable assessments in traditional AND project-based formats, with corresponding answer keys for each course in the NGPF curriculum.
- PD REWARDS**
As part of NGPF Academy, you'll earn swag... as if the free, awesome professional development sessions weren't rewarding enough!

Create a Free Teacher Account

Complete the form below to access exclusive resources for teachers. Our team will review your account and send you a follow up email within 24 hours.

Your Information

First Name*

Last Name*

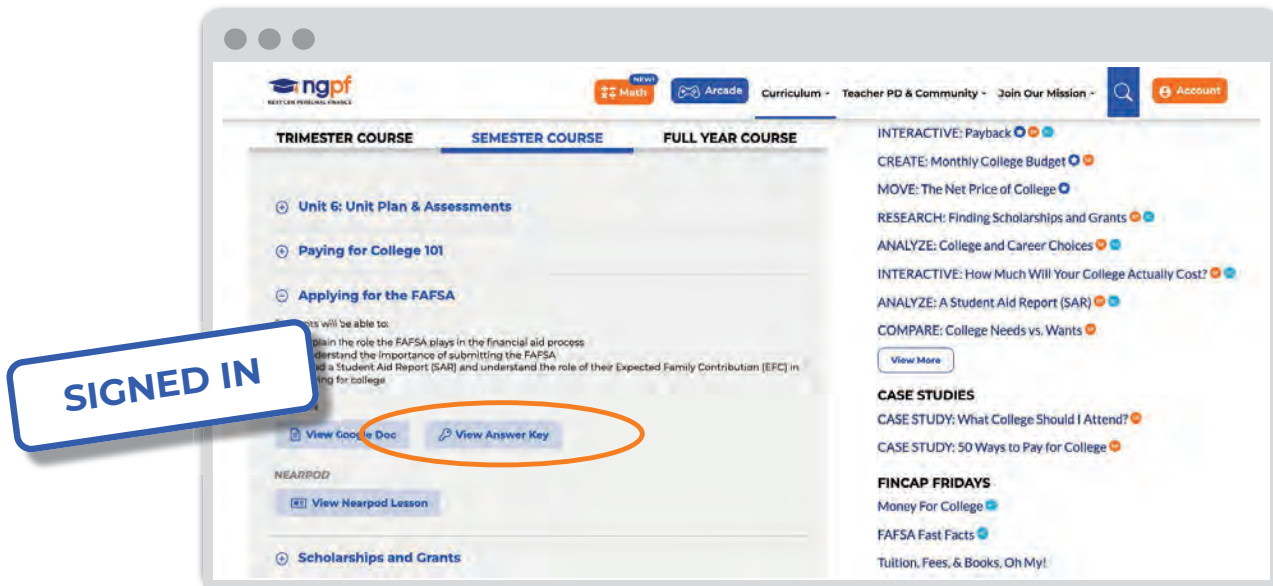
Your Email*

! **Teachers:** Use your school email address that can be viewed in an online school directory to allow for faster verification.

Retype Email*

User Type*

Answer Keys



NGPF Professional Development



NGPF On-Demand

1-hour self-paced sessions.
40+ modules on a range of personal finance topics:

- **FAFSA Basics**
- **Banking in the 21st Century**
- **Popular Budgeting Strategies**



Certification Courses

9 hours of LIVE instruction followed by a 1-hour exam on various topics:

- **Credit**
- **Investing**
- **Insurance**
- **Banking & Budgeting**
- **Paying for College**



Virtual PD

3-5 LIVE collaborative sessions each week!

- **Brush Up On: Financial Aid Packages**
- **Activity Spotlight: The Bean Game**
- **Speaker Series**



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info



@NextGenPF



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Closed Group: FinLit Fanatics!



Questions?

End of Session Survey



bit.ly/NGPFsessionsurvey

SESSION NAME
NGPF Tools for Teaching Cryptocurrency

