



Blockchain



1-Introduction to Blockchain

Watch carefully this video : <https://youtu.be/MjibPL4tGqo>



What company does Brian Armstrong work for? What is its function?

What is the blockchain?

2-Why Blockchain

<https://youtu.be/10wYLCnDHao>



What is one issue in today's society that might be improved by blockchain? What is a potential new issue that you think could occur because of Blockchain?

Match the vocabulary terms with definitions : Blockchain ; Decentralization ; Centralization, Bitcoin

Vocabulary Term	Definition
	Concentrating resources, power, or control into a single entity that oversees all participants in a system
	A new way of storing information on the internet, where everyone can participate A digital way to store and verify information
	Distributing resources, power, or control amongst all participants in a system
	A digital currency that tracks transactions and ownership without needing to put trust in any bank or government

3-How does Blockchain work?

https://youtu.be/lt_lvgn5wQA



The blockchain helps facilitate thousands of transactions each day between people who've never met or trust each other. What are some of the ways the blockchain helps ensure this trust or helps make sure people don't abuse the network?

Match the vocabulary terms with definitions : Consensus ; Ledger ; Block ; Proof of work ; Miner

Vocabulary Term	Definition
	Verifying information with a lot of computing effort
	A mechanism requiring enough people to agree which transactions are valid
	Someone who verifies transactions and blocks on the blockchain network
	A record of all transactions in a group
	A collection of messages, where each message has had its signature verified

4-Currencies, marketplace and price

https://youtu.be/3EwkfUz_BPs



What's a real-world situation that you think smart contracts could help with? What might make them better than how it's handled now?



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<https://youtu.be/d9rKkk3oVdY>



What's an example of something whose value has changed over time? What factors caused it to change? Did it go mostly up, mostly down, or mostly stay the same?

Match the vocabulary terms with definitions : Smart Contract ; NFT (Non-Fungible Token) ; Asset ; Exchange

Vocabulary Term	Definition
	Something you own that is valuable. Often, assets are exchanged or converted into currency
	An autonomous program that ensures rules of a transaction are followed without the need for legal contracts
	An asset, tracked on the blockchain, associated with ownership of digital collectibles, artwork, or items in a game
	A marketplace where anybody can buy or sell something

5-Is Blockchain trustworthy?

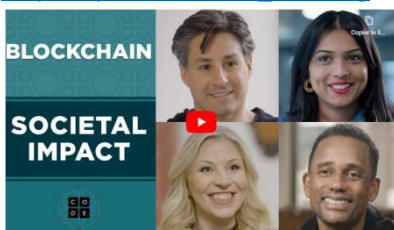
<https://youtu.be/WzxbwEQRJPo>



After watching the video, do you think Blockchain is mostly trustworthy? Or mostly a scam?

6-societal impact of Blockchain

https://youtu.be/C3C_JfG8cNg



What's one way Blockchain could be beneficial to society?
What's one way Blockchain might be harmful?