

Curriculum Guide



COURSE MISSION

This course intends to provide Grades 9–12 learners with the basics of blockchain and cryptocurrency.

COURSE DESCRIPTION

EVERFI® from Blackbaud®-Crypto Foundation course is a 101 course that teaches high school students what cryptocurrency is and how cryptocurrency is created on the blockchain. This foundational course introduces students to the blockchain world, how cryptocurrencies work, and the benefits and risks of paying with cryptocurrency. It provides a reliable source of foundational knowledge on the value of cryptocurrencies as assets and their risks.

COURSE OVERVIEW

TOPIC	DESCRIPTION
Intro to Blockchain and Cryptocurrency	Students learn about the basics of blockchain and the digital assets that are built upon it. It addresses the history of cryptocurrency and highlights some foundational principles of the blockchain.
Digital Assets: Cryptocurrency	Students learn the basics of cryptocurrency as a digital asset and how cryptocurrency can be used. It answers the question: “Now that I understand what cryptocurrency is, what do I do with it?”

COURSE STRUCTURE

Intro to Blockchain and Cryptocurrency	Digital Assets: Cryptocurrency	Post-survey
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The modules are stand-alone lessons. They can be taken in any order or by themselves.

Each module comes with an offline lesson plan and discussion guide to be used in the classroom.

DETAILED COURSE OUTLINE

Lesson: Intro to Blockchain and Cryptocurrency

This module aims to provide students with a basic knowledge of blockchain and the digital assets that are built upon it. It addresses how cryptocurrency started and the initial design of Bitcoin by Satoshi Nakamoto. Also, it highlights some foundational principles of the blockchain. Learners will complete this module with a solid understanding of blockchain and how cryptocurrency is based on this new technology.

Learning Objectives

Students will be able to...

- Identify the functionality of blockchain technology.
- Identify cryptocurrency characteristics.

ACTIVITY TOPIC	ACTIVITY DESCRIPTION
Intro/Story set-up	Learners meet characters named Leo and Janet, whom they'll follow through the module as Leo learns more about blockchain technology.
Digital asset	Learners are introduced to what a digital asset is.
Blockchain fundamentals	Learners explore the characteristics of blockchain.
Ledger system	Learners learn how blockchain technology uses a public ledger system to track digital information and how the ledger system works.
The blocks	Learners explore how blockchain stores data.
The rise of digital assets	Learners are introduced to the history of cryptocurrency.
The hash and the hash generator	Learners learn about how the unique hashes protect data from any changes. Also, they explore how the hash is generated.
Security features	Learners explore some of the blockchain security features that keep the data safe.
Checkpoints	Throughout the module, learners will have the opportunity to test their knowledge.

Lesson: Digital Assets: Cryptocurrency

This module aims to provide students with basic knowledge about cryptocurrency as a digital asset and how cryptocurrency can be used. It answers the question: "Now that I understand what cryptocurrency is, what do I do with it?"

Learning Objectives

Students will be able to...

- Identify the key characteristics of cryptocurrency.
- Identify the benefits and the risks of using cryptocurrency.

ACTIVITY TOPIC	ACTIVITY DESCRIPTION
Intro/Story set-up	Learners meet characters named Tai and her uncle Gary, whom they'll follow through the module as Tai learns about cryptocurrency and how she can use it.
What is cryptocurrency?	Learners are introduced to what cryptocurrency is and what its characteristics are.
Cryptography technology	Learners learn about cryptography technology as the security feature of cryptocurrency.
Wallets and exchanges	Learners explore the differences between wallets and exchanges, and their uses.
The keys	Learners learn about how private and public keys are created, the correct way to use them, and the importance of keeping them safe.
Cryptocurrency as a payment	Learners explore the advantages of using cryptocurrency as a payment for goods.
Cryptocurrency vs. fiat currency	Learners are introduced to the definition of fiat currency and explore a comparison between it and cryptocurrency.
Investing in cryptocurrency	Learners learn about the risks and rewards of cryptocurrency investment.
Checkpoints	Throughout the module, learners will have the opportunity to test their knowledge.