Blockchain Fundamentals

Start with understanding blockchain technology, its core concepts like distributed ledgers, consensus mechanisms (e.g., Proof-of-Work, Proof-of-Stake), and key differences from traditional databases.

- Webpage: https://www.investopedia.com/blockchain-4689765
- Documentation: https://ethereum.org/en/developers/docs/ (Get started with Ethereum)
- Youtube Video: "https://youtu.be/yubzJw0uiE4 (Understand the concept of Blockchain with this short-informative video)

Solidity Programming:

Solidity is the primary language for writing smart contracts on the Ethereum blockchain. Beginners can learn basic syntax, data types, control flow statements, and functions.

- Webpage: https://docs.soliditylang.org/en/latest/introduction-to-smart-contracts.html (Solidity Documentation)
- Online Course: https://cryptozombies.io/ (Interactive course with gamified learning)
- Youtube Video: "https://m.youtube.com/watch?v=ooN6kZ9vqNQ" (FreeCodeCamp - Create a Simple Ethereum Smart Contract)

MetaMask Introduction:

MetaMask is a popular crypto wallet used to interact with decentralized applications (dApps). Beginners can learn how to install, set up, and use MetaMask for basic transactions.

- Webpage: https://metamask.io/ (MetaMask Official Website)
- Documentation: https://docs.metamask.io/ (MetaMask Documentation)
- Youtube Video: "https://www.youtube.com/watch?v=Af_lQ1zUnoM" (Coinbureau - How To Use MetaMask Wallet (2023 Beginner Tutorial))

Decentralized Applications (dApps):

Introduce the concept of dApps and their key features like transparency, censorship resistance, and user ownership. Explore some popular dApp examples.

- Webpage: https://dappradar.com/ (DappRadar - What is a DApp?)
- Documentation: https://consensys.io/academy (ConsenSys Academy - Introduction to dApps)
- Youtube Video: "https://www.youtube.com/watch?v=btB__oHQ0sU" (FinTech with Kev - What are dApps? (Decentralized Applications Explained Simply))