

Six weeks · finance people and developers · devnet only

DeFi on Solana

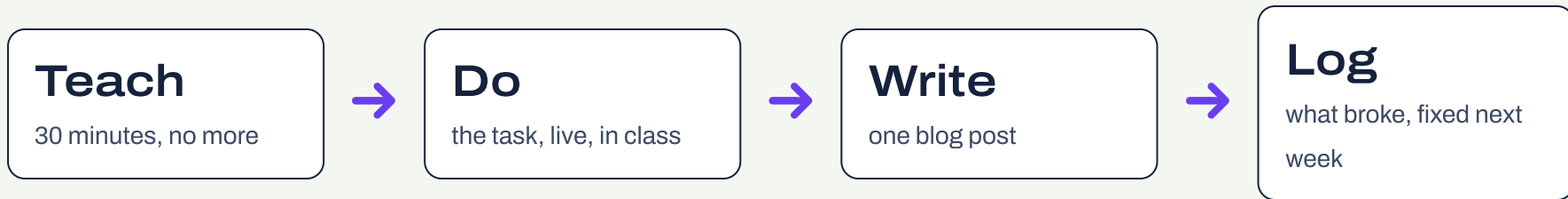
From the bank ledger to the on-chain ledger.

DeFi = financial services written as programs anyone can call.

Six weeks, six entries

Wk	Topic	What you learn	You ship
1	Intro to DeFi	Finance as open programs. The Solana map.	Trace a Jupiter route
2	Wallets & devnet	Keys, accounts, tokens, transactions.	Send devnet USDC, read it on Orb
3	Liquidity & AMMs	$x \cdot y = k$, impermanent loss, yield.	Provide liquidity on devnet
4	Lending & stables	Collateral, health factor, liquidation, oracles.	Liquidation spreadsheet
5	Risk & security	Hacks grouped by root cause.	Post-mortem + token audit
6	Capstone & careers	Build, present, get paid for it.	Demo day

Every week runs the same loop



Users

Wallets, explorers, dashboards, spreadsheets. **No code needed.**

Builders

Everything users do, **plus a code extension** each week.

If you learned crypto on Ethereum

Click a card to translate it. Keep this open all six weeks.

Phantom, Solflare, Backpack

Solana app works with any of them. All speak the wallet standard, so any Solana

Devnet

API devnet.solana.com. Solana "testnet" is for validators, not you.

Orb, Solscan, explorer.solana.com

See devnet. Add ?cluster=devnet to the URL to

Mint account + token accounts

One shared token program. Your balance sits in your own token account

Base fee + priority fee + rent

Fractions of a cent. Rent is a refundable deposit for storage.

Radium, Orca, Meteora + Jupiter

Uniswap has no pools on Solana. Its app swaps Solana tokens through Jupiter (since Oct 2022)

Kamino, Jupiter Lend, Save, Project 0

Same mechanics: collateral, LTV, liquidation.

USDC, USDT, PYUSD, USDB

Solana money is mostly first-packed stablecoins.

Pyth, Switchboard

Pyth is bull: the app fetches a signed price and posts it in the same transaction.

Rust + Anchor + LiteVM \ SuiPool

Anchor 1.x ships SuiPool as the default test validator.

Missing account checks

Every account is an input. "Is this the real account?" is the core security question.

Flip all

Three rules for the whole course

1

Never share a seed phrase or private key. Not with support, not with me, not in a screenshot.

2

Devnet and test tokens only. The one exception is an optional \$5 in week 4, and we will say so loudly.

3

Numbers carry dates. TVL, prices and supply change weekly. Say when you looked.

The toolkit

Need	Use
Wallet	Phantom, Solflare or Backpack, set to Devnet
Devnet SOL	<code>faucet.solana.com</code> or <code>solana airdrop 2 --url devnet</code>
Devnet USDC	<code>faucet.circle.com</code> · mint <code>4zMMC9srt5Ri5X14GAgXhaHii3GnPAEERYPJgZJDncDU</code>
Explorer	Orb (<code>orb.helius.dev</code>), Solscan, <code>explorer.solana.com</code> + <code>?cluster=devnet</code>
Prices	Pyth (<code>insights.pyth.network</code>); Builders read the price account on chain
Data	DefiLlama, Artemis, Dune
Builders	Anchor 1.x, LiteSVM, Surfpool, <code>@solana/kit</code>

Faucets break in class

The SOL faucet limits by IP, so one shared Wi-Fi gets throttled. Pre-fund a teacher wallet and send SOL around.



Let's start.

Week 1: what DeFi is, and why so much of it runs on Solana.

[Open week 1](#)