

BY ASTRO BEAR

Ledger Quest

Teacher pack for 11 short lessons, a final quiz, and the Ursa Ledger arcade.

All practice is on the XRP Ledger test network. Test XRP has no value.

HOW TO USE THIS PACK

This pack is for a teacher, parent, or facilitator. It follows the live site at xrpl.astrobear589.com. Students work through 11 lessons in order, then pass the quiz with 8 of 10. After that, the Ursa Ledger arcade unlocks.

Print the QR sheet so people can open each lesson on a phone. Print the certificate last, and fill in the name and date by hand.

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BEFORE YOU START

Classroom safety

- **Testnet only.** Every wallet must be on the test network, not the live network, before anyone sends or mints.
- **Never share a seed or secret.** The faucet and every classroom tool only need the public r address. If a site asks for a seed, stop.
- **No birth details.** Do not put a birth date, time, or place on a ledger, in a memo, or in NFT data. A chart NFT may hold a name, planet signs, angles, and aspects only.
- **Memos are public.** A memo is a short note on a payment. It stays in the book. Leave out anything private.
- **No price talk.** This is how the ledger works, not how to buy, sell, or invest.
- **Play money only.** Test XRP has no value. Mistakes should cost nothing.

Class flow

Plan about two hours for all 11 lessons and the quiz, or split them across a few sessions. Each lesson page has a short 3-question check. The final quiz needs 8 of 10. The arcade and leaderboard are practice too, still on testnet. Students connect a testnet wallet in Xaman, or another wallet that supports testnet, to play.

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THE 11 LESSONS

Lessons

LESSON 1

Lesson 1: What the XRP Ledger is

The XRP Ledger is a shared notebook the whole world can read. When most of the checkers agree, a new page is locked in, usually in a few seconds. There is no boss in the middle.

Teacher note. Ask the class to say in their own words why a group of checkers makes the notebook hard to cheat. Pace about 10 minutes.

https://xrpl.astrobear589.com/start-here.html

LESSON 2

Lesson 2: Your wallet

Set up a wallet and switch it to the test network, not the live network. The r address is public and can be shared. The secret and the seed stay with the student. Always. Request free test XRP from the official faucet. Test XRP has no value.

Teacher note. Watch students switch to testnet before they use the faucet. Never let anyone type a seed into a website. Pace about 15 minutes.

https://xrpl.astrobear589.com/guide.html#test-wallet

LESSON 3

Lesson 3: Send a payment

Send a test payment with a memo, which is a short public note. Then look the payment up on the testnet explorer. Anybody can check it. That is the proof it was written in the book.

Teacher note. Remind the class that memos are public and permanent, even on testnet. No private details in a memo. Pace about 15 minutes.

https://xrpl.astrobear589.com/payments-lesson.html

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THE 11 LESSONS

Lessons, continued

LESSON 4

Lesson 4: NFTs

You can mint an NFT, or accept one that is offered to you. It does not land in your wallet until you say yes. A chart NFT may hold a name, planet signs, angles, and aspects. Never birth date, time, or place. Pick art you are happy to share publicly forever.

Teacher note. If you mint in class, stay on testnet. Confirm students accept offers on purpose. Pace about 15 minutes.

https://xrpl.astrobear589.com/nft-lesson.html

LESSON 5

Lesson 5: Stablecoins and tokens

Issued tokens sit on a trust line. To hold a test stablecoin, you send a TrustSet that names the issuer and the currency, with a limit. XRP is the only coin that needs no trust line.

Teacher note. Use test issued coins only. Never ask an issuer for a seed. Pace about 12 minutes.

https://xrpl.astrobear589.com/stablecoins.html

LESSON 6

Lesson 6: Swap and trade

The built-in DEX uses an OfferCreate that says what you give and what you want. If a matching offer exists, it can fill right away. This is practice with play money only.

Teacher note. Do not talk about prices, markets, or investing. Stay on testnet. Pace about 12 minutes.

https://xrpl.astrobear589.com/dex-amm.html

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THE 11 LESSONS

Lessons, continued

LESSON 7

Lesson 7: Escrow, checks and tabs

Escrow can hold test XRP until a set time, then an EscrowFinish releases it. A memo cannot hold funds. A normal payment arrives right away.

Teacher note. Keep the demo short and on testnet. Pace about 12 minutes.

https://xrpl.astrobear589.com/escrow-checks-channels.html

LESSON 8

Lesson 8: Shared keys, votes and loans

Multi-signing lets a group approve spending without sharing a seed. Example: three signers with weight 1, and a quorum of 2, so any 2 of 3 can approve.

Teacher note. Stress this point: never share one seed with a group. Pace about 12 minutes.

https://xrpl.astrobear589.com/agreement-lesson.html

LESSON 9

Lesson 9: Digital IDs and privacy

Some ledger tools can help prove a fact without posting private life details. Teach students to think before they publish anything. Ledger records are public and hard to take back.

Teacher note. No birth details, IDs, or home addresses on the ledger. Pace about 10 minutes.

https://xrpl.astrobear589.com/identity.html

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THE 11 LESSONS

Lessons, continued

LESSON 10

Lesson 10: Beyond the XRPL

A short look at how this ledger sits next to other networks and tools. Keep it plain. This is still education, not a product pitch.

Teacher note. Stay away from tokens to buy or projects to back. Pace about 8 minutes.

https://xrpl.astrobear589.com/beyond-xrpl.html

LESSON 11

Lesson 11: Agentic payments

If an AI agent pays for small things, it should get its own small wallet, spending limits, and your approval for big or new payments. It should never hold your seed.

Teacher note. Ask: what could go wrong if an agent had your main secret? Pace about 12 minutes.

https://xrpl.astrobear589.com/agentic-payments.html

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FINAL QUIZ

Answer key

The quiz is at xrpl.astrobear589.com/sky-quiz.html. Students need 8 of 10 to pass. Share the key with facilitators, not with the class before they try it.

1. Your new testnet wallet is empty. How do you get free test XRP into it?

Answer: Paste your public r-address into the official testnet faucet.

The faucet only needs your public address, the one that starts with r. Test XRP has no value. Never type a seed anywhere.

2. What do you need from a friend to send them a test payment?

Answer: Their public r-address (and a destination tag only if they give you one).

Never ask for a seed, email password, or wallet password. After you send, check the testnet explorer.

3. You want to attach a short note to a test transaction. What do you do?

Answer: Fill in the Memos field of the transaction, and leave out anything private.

Memos are public and permanent. Destination and Fee are not for notes.

4. A friend sent you an NFT offer. How do you get the NFT into your wallet?

Answer: Open the offer in your wallet, check that it shows 0 XRP and the Testnet network, then accept it.

An NFT is not pushed into your wallet. You have to say yes. No payment is needed for a 0 XRP offer.

5. Before you mint an NFT from your own picture, what should you do?

Answer: Pick a picture you are happy to share publicly forever.

Never put birth details on a ledger or in NFT data. A ledger record cannot be deleted later.

6. You want any 2 of 3 people to approve spending from one account. How do you set it up?

Answer: Send a SignerListSet with the three signers, each with weight 1, and SignerQuorum 2.

Never share one secret seed with all three people. Multi-signing exists so nobody has to.

7. How do you set up your wallet to hold a test stablecoin like PUSD?

Answer: Send a TrustSet that names the issuer's address and the currency, with a limit.

Issued coins sit on a trust line. XRP is the only coin that needs none. The issuer never needs your seed.

8. How do you post an offer on the built-in DEX?

Answer: Send an OfferCreate that says what you give (TakerGets) and what you want (TakerPays).

NFT offers are a different transaction. A memo does not place a trade.

9. How do you hold test XRP for a friend until a set time?

Answer: Send an EscrowCreate with their address and a FinishAfter time. After that time, send an EscrowFinish.

A normal payment arrives right away. A memo cannot hold funds.

10. You want an AI agent to pay for small online services for you. How do you set it up safely?

Answer: Give it its own small wallet, set spending limits, and require your approval for big or new payments.

Never give an agent your seed. Limits are the safety.

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PRINT AND SHARE

QR codes

Scan a code to open that page. All course pages are on the testnet education site.



Home



Lesson 1



Lesson 2



Lesson 3



Lesson 4



Lesson 5



Lesson 6



Lesson 7



Lesson 8



Lesson 9



Lesson 10



Lesson 11



Final quiz



Ursa Ledger arcade



Leaderboard



Training Guide

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