

Bitcoin Talk:

What is Bitcoin?

- A digital crypto-currency.
- Using open source software.
- Transactions are recorded in a public distributed (no-one controls it!) ledger (blockchain).

Trademe: <http://www.trademe.co.nz>

Coinmap: <https://coinmap.org/#/world/45.58328976/-17.22656250/3>

List of some companies:

<https://99bitcoins.com/who-accepts-bitcoins-payment-companies-stores-take-bitcoins/>
<http://spendbitcoins.com/places/>

Where we might use bitcoin:

<https://supporters.eff.org/donate>

Value of Bitcoin (US\$): <https://blockchain.info/charts>

Value of Bitcoin (NZ\$): <https://bitcoin.co.nz>

Choose your wallet: <https://bitcoin.org/en/choose-your-wallet>

Where can you buy Bitcoin?

Kiwi Coin: <https://kiwi-coin.com/>

Bitcoin with credit card: <https://99bitcoins.com/buy-bitcoin-2/>
<https://99bitcoins.com>

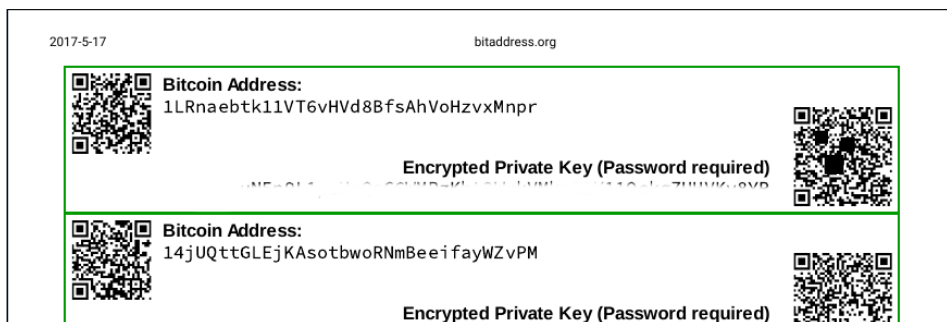
Bitcoin ATM: <https://coinatmradar.com/>

<https://coinatmradar.com/blog/how-to-buy-bitcoins-with-bitcoin-atm/>

How to keep your Bitcoin secure

Paper Wallet: <http://www.thecleverest.com/creating-a-bitcoin-paper-wallet-for-cold-storage/>
best done offline /home/uli/Documents/PaperW

Moving money back into wallet and decrypt private key:



<http://www.thecleverest.com/importing-bitcoin-from-a-paper-wallet-into-electrum/>

best done offline /home/uli/Documents/bit2factor – note this is outdated, now you sweep the private key to transfer the money back into the wallet.

Is Bitcoin anonymous? What are change addresses?

<https://shop.wikileaks.org/donate#db3>

Check your (or any) transaction:

<https://blockchain.info/address/1LRnaebtk11VT6vHVd8BfsAhVoHzvxMnpr>

Check WannaCry / Wcry / WannaCrypt bitcoin addresses:

https://www.reddit.com/r/Bitcoin/comments/6axuzs/wannacry_wcry_wannacrypt_bitcoin_addresses

Bitcoin transactions:

Alice wants to buy present for 2 Bitcoin from Bob



Alice



Bitcoin
Wallet
with 3 Bitcoin

Bitcoin Address: 1A123



Bob



Bitcoin Address 1B234

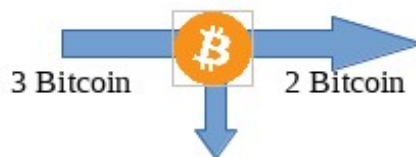
1. The content of Alice's wallet is transferred – 2 Bitcoins to Bob and



Alice



Bitcoin Address: 1A123



1 Bitcoin



Bob



Bitcoin Address 1B234

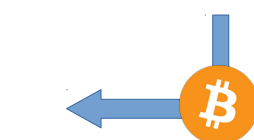
2.one bitcoin back to Alice's (change)address. When Bob receives his money he sends the present to Alice.



Alice



Bitcoin Address: 1C345



1 Bitcoin



Bob



Bitcoin Address 1B234

3. How does this look in the Blockchain?

From Address 1A123



2 Bitcoins to Address 1B234

1 Bitcoin to Address 1C345

Why use bitcoin: <http://www.coindesk.com/information/why-use-bitcoin/>

Bitcoin fees: <https://bitcoinfees.21.co>

Litecoin price: <https://www.worldcoinindex.com/coin/litecoin>

https://www.coingecko.com/en/price_charts/litecoin/nzd

Beginners guide to Electrum Wallet

<http://bitzuma.com/posts/a-beginners-guide-to-the-electrum-bitcoin-wallet/>

New to Bitcoin:

<https://99bitcoins.com>

A Beginner's Guide to Blockchain Technology:

<http://www.coindesk.com/information/>

Best explanation (in my opinion) on how the bitcoin protocol actually works:

<http://www.michaelnielsen.org/ddi/how-the-bitcoin-protocol-actually-works/>

Bitcoin book (.pdf format) from Princeton University:

<https://freedom-to-tinker.com/2016/02/09/the-princeton-bitcoin-textbook-is-now-freely-available/>

Bitcoin Magazine:

<https://bitcoinmagazine.com>

Bitcoin News:

<http://www.coindesk.com/category/news/>

<https://news.bitcoin.com>

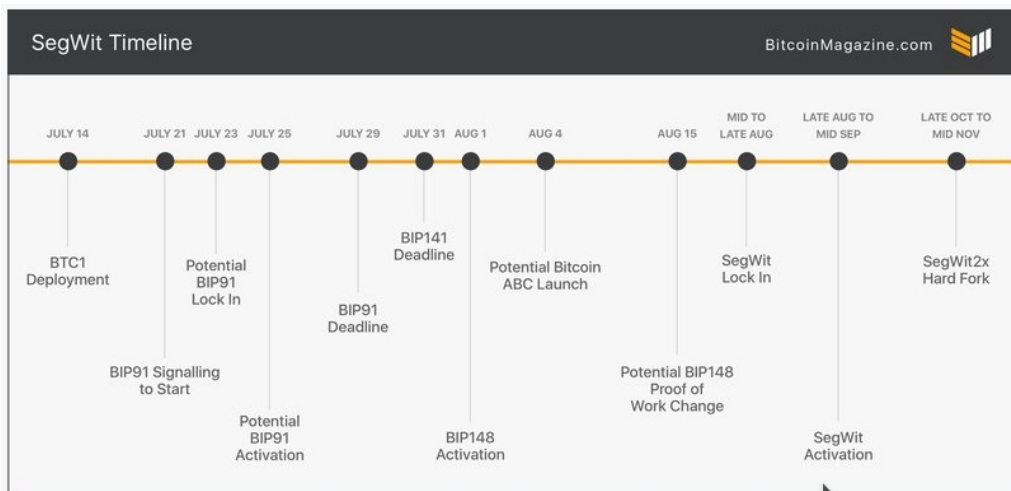
Further information that might be of interest:

Difference Between Litecoin and Bitcoin:

	bitcoin	litecoin
Coin limit	21 Million	84 Million
Algorithm	SHA-256	Scrypt
Mean block time	10 minutes	2.5 minutes
Difficulty retarget	2016 block	2016 blocks
Block reward details	Halved every 210,000 blocks.	Halved every 840,000 blocks
Initial reward	50 BTC	50 LTC
Current block reward	25 BTC	50 LTC
Block explorer	blockchain.info	block-explorer.com
Created by	Satoshi Nakamoto	Charles Lee
Creation date	January 3rd, 2009	October 7th, 2011
Market cap	\$10,467,596,650.78	\$540,274,528.26

<http://www.coindesk.com/information/comparing-litecoin-bitcoin/>

Further information on the future development of bitcoin:



<https://bitcoinmagazine.com/articles/countdown-segwit-these-are-dates-keep-eye/>