C-54 Hometech Curriculum
Heating, Mining, and Home Automation

- Week 1

  - Why mine bitcoin?
    - Secures the Bitcoin network
      - 51% attacks
      - State of bitcoin mining pools
      - Geography of bitcoin mining pools
    - Stable Energy
      - Texas
      - Africa
        - Verunda
        - Ethiopia
        - Mini-grids
    - Profitable
      - Subsidy
      - Fees
      - Costs
        - Hardware
        - Electricity

- Week 2

  - Pools
    - What is solo mining? What are pools?
    - How do you pick a good pool?
    - Getting setup with a pool

- Week 3

  - Running an ASIC
    - 120 vs 240
    - Setting up a machine
    - Connecting to a pool

- Week 4

  - Energy costs
    -
  - Heat recycling

- Week 5

  - 3d printing

- Week 6

- Setting up a Raspberry Pi

- Week 7

  - Running a server
  - Running a bitcoin node

- Week 8

  - Home Automation
  - HASS-miner

- Week 9
  - Running a lightning node

- Week 10

  - BTCPay Server