TCP/IP-TDM

- Transmission Control Protocol

- Internet Protocol

- Time Division Multiplexing

The clock is ticking!

Now is the time to act!

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Remastering an Ubuntu Live CD for use at school

- Remastering Ubuntu

How I customised an Ubuntu Live CD to support technology classes I ran at school for a year 5 and a year 3/4 class.

Ongoing project...

In the beginning...

- School got some Lego RCX

- Needed a geek to play with it...

- ~~Committed Communist~~

- ~~Hippy~~

- FOSS Evangelist
  - Had to be Free (libre)

- Parent
  - Had to be Free (gratis)

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A Plan to deviate from ...

- MediaWiki
- PC
    - ~~Live CD~~
    - ~~Bootable USB~~
    - ~~LTSP~~
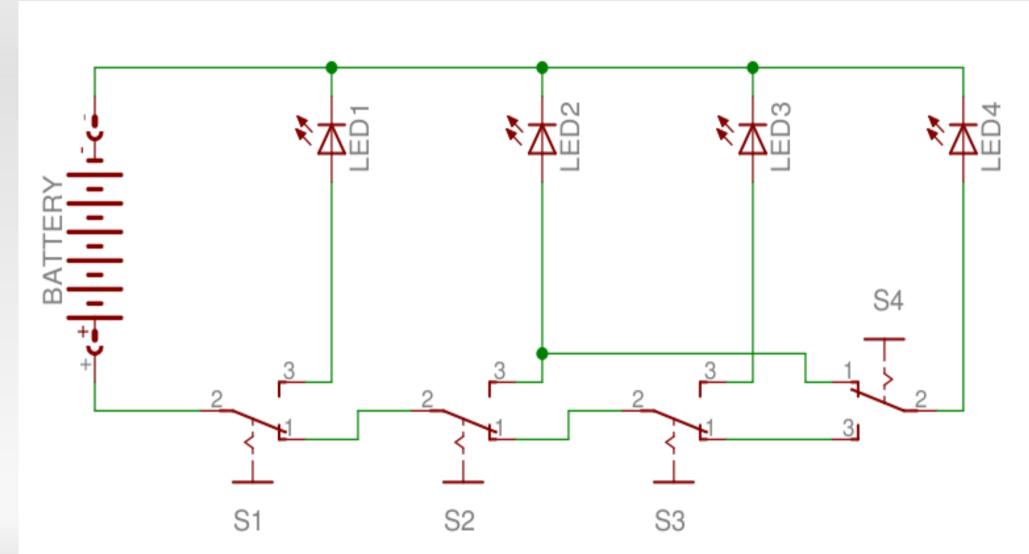   - Windows
- Lego
    - NQC

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First Year

- Year 5 class

- 8 sessions + Mystery Circuit

  1. BlinkenLights
  2. GNUCAP
  3. Regenerative Breaking / Railgun
  4. Guido van Robot
  5. Melting_Silver / Automotive
  6. Dodgem
  7. Dodgem part 2
  8. Electronics Recap

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Mystery Circuit

Lessons Learned

+

- Kids loved it (learnt something?)
- Teacher loved the free time

-

- Lego may be too creative ...
- Live (as in 'grenade') DVD
- End of year is busy!

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Second (current) Year

- Year 3/4 class

- 7 sessions (so far)

  1. Melting_Silver
  2. Rocketry
  3. LiveDVD / CanalLocks
  4. Guido van Robot (2011)
  5. Railgun / Regenerative_Breaking
  6. Blinkenlights 2011
  7. budd:e

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Lessons Learned

+

- neutered DVD
- DVD coverart
- Permission slips

-

- (3 « 4) « 5
- Assemble, then glue!

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Remastering HOWTO

And here's a WIKI page I prepared earlier:

http://adelie/wiki/Ubuntu_Customization_Kit

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Things to Do

- MediaWiki
  - Hosting
  - Export: .pdf / .html / .*
  - Live-DVD
- New/more/other Stuff?
  - Year 3/4 Term 2
  - Year 6

- Different Audiences
  - Younger Kids?
  - Older Kids?
  - Much older Kids?

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Thanks!

Liz

Karen

Sophia

beta-testers

Thomas Sprinkmeier

thomas.sprinkmeier@gmail.com

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