What We Are Working On

- A content repository
- Postmanet-based http, or phttp
- Content capture
- EdTV: “thin client displays”
- Homework feedback
- Pedagogy research
- Other applications

Possible Projects

- The content repository
  - UI
  - Security
  - Better browsing, search, index, presentation mechanisms
  - Other applications built on the repository abstraction
  - Backend (database) support for the repository

- Postmanet and phttp
  - Phttp: security
  - Phttp: use a low-latency network to handle small messages
  - Phttp: secure API for “splitting up” server scripts
  - Other applications: Google on phttp

- ham radio (packet radio)
  - Hardware and basic communication
  - Applications (and interfaces)
Possible Projects

• Content capture
  – Simple capture aids used by teachers during capture
  – Edit tools for modest post-processing
  – Tools for handling multiple capture streams
  – Tools for handling still digital camera-based capture (SMIL-based, or other tools-based)

Possible Projects

• EdTV: thin client displays
  – Improve transmitters or repeaters
  – Input option 1: walkie-talkie plus voice recognition (Hindi)
    • Third party voice controller for existing programs
  – Input option 2: customized ham radio transmitters as TV remotes
  – Single-user application interfaces
  – Multi-user application interfaces

Possible Projects

• Homework feedback
  – Better UI
  – UI for EdTV

• Pedagogy research
  – Ways of instigating structured interaction: quiz, asynchronous question-answer sessions, "scripts" for local "staff", get kids to help each other
  – Ways of integrating instigation into existing content streams
  – "Learning science" experiments
  – Repository infrastructure support for experiments

Possible Projects

• Other applications
  – A “health care eBay”
  – Voice mail via EdTV
  – Shopping on EdTV

• Power
  – Car batteries
  – Solar
  – What’s the minimal/best hardware requirement for running a school?
  – Role played by DVD/VCD players?
Possible Projects

- (mp3 recordings of project discussions)
- Propose your own
  - Something we can use
  - Something totally outside

Schedule

- 3/24: proposal
- 4/28: talk
- 5/10: report

- (upload documents online)