Bringing Education to the Mountains of Taiwan

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Challenges

- Different Gaoshan tribal cultures
- Limited and unreliable transportation
- Limited technological infrastructures
- Teaching positions in the mountains are undesirable
- Sparse and unequal distribution of students geographically
Current System

- Limited number of schools
- Path to the school may be intermittently blocked
  - Contribute to fairly low attendance rate
- High teacher turn-over rate
  - Inferior teaching quality
- Boarding school
Proposed Solution

- Record lectures in a major city
- Broadcast on a special channel in Gaoshan areas
- Possibly multiple times
Proposed Solution (Con’t)

Similar educational level students will meet in a single household

- Passively view the lecture
- Actively collaborate in the learning process
Proposed Solution (Con’t)

- Collaboration
  - Interactive “set-top box”
  - Pauses in the lecture to work on assignments
    - Activities somewhere between a lab and a game
- Weekly discussions
Conclusion

- Reduced emphasis on in-person classroom learning
- Distance learning approach which combines remote lecturing with in-person small group interaction and collaboration
- Television is the medium chosen for content delivery