

## **Design Team**

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## **Proposal:**

We're planning to create design that allows us to fabricate a device which enables us to access wireless internet remotely over the distance of a few miles by implementing a cost effective design, whereby we take our existing capabilities of receiving wireless transmissions and make it more efficient.

## **Process:**

- Research how common wireless networking devices work, what types of waves they use, how they broadcast etc.
- How they're received, what different ways they're received and different methods of amplifying them.
- Research how other people have amplified them, i.e. what works and what doesn't work.
- Analyze available options on how to create a cheap and reliable wireless networking device.
- Map out a system that we think meets the criteria mentioned above.

## **Project:**

- After mapped design is laid out we can gather the required technologies for the project.
- Assemble the receiver.
- Implement it and make sure it functions correctly.
- Thoroughly test receiver and collect data.
- Compare results to our proposal and see if it meets our conditions.