

Final Presentation

Hayley Yudelman

Mission

- Emulate a real airplane
- Better mapping that could be used everyday
- Balloon (sometimes works, errors)-->Stable airplane

New Ideas

- Using an airplane instead of a balloon



Cost

- Body of the airplane 70
- Cervos (x2) 5
- Motor 30
- Battery 10
- Speed Controller 40
- Charger 65
- Transmitter and receiver 100
- Auto Pilot 275

Total around 600

Testing. Range Check

- Motor was intermittent-crazy
- Antenna needed to be pulled out
- Went to store
- Range Check worked mostly well

Test #1

- On a field
- Airplane flew 20 yards;crashed into tree
- Did not give enough lift
- In the next test, Jeff threw it and it went up, not straight

Test #2

- Flew for about 1 minute
- Went well for a while, until it crashed
- Radio was interrupted
- Make sure range check works before flying
- Too much wind



Advice

- Read all instructions before gluing
- Make sure motor is facing the right way
- When doing the range check make sure antenna is down all the way, but be careful with the antenna!
- When flying the airplane, be aware of trees