

The background of the slide is a yellow, textured surface that resembles marbled paper or aged parchment. A solid red horizontal bar is positioned across the upper portion of the slide, containing the title and author's name in white text.

Balloon Mapping

Danielle Bynoe

Goals of Project

- Design a device that can do the following:
 - Successfully lift a camera
 - Take pictures that, when combined, can make a map
- Create a map of an interesting place



How to Create the Kite

- Determine all necessary traits for kite:
 - Most ideal shape is a tear drop
 - A tail would stabilize the object
 - Two poles arranged in a cross-like shape would support the camera's weight



Materials and Estimated Costs

Materials

- Bamboo... \$4
- Duct Tape... \$4
- 5 Garbage Bags... \$10
- Scissors... \$3
- Sharpie... \$1
- String... \$3
- Camera + Camera harness... \$70

Estimated Costs = \$95

Implementing New Ideas



- Tear drop was difficult to create:
 - Hexagon shape supplanted the tear drop shape
- The wing should be cut in a slanted fashion
 - The front of the wing should be wider than the back
- The kite couldn't withstand wind
 - Adding a tail would help





Learning from Mistakes

Pros

- The Hexagon shape works
- Use two poles in place of one
- Securely attach both the camera and harness

Cons

- Tear dropped shapes are extremely hard to make
- The object needs support
- The tail should take up less space
- Use a longer tail
- Find new location for Bridle Point

Closing Notes

Future Advice

- Make drafts of your ideas before creating the object:

This helps eliminate all possible errors
- Make several smaller models before attempting to make the final product



The End