**Modified Sled Kite**

### Application

- Need: Beacon/Signal
- Attach light/color to kite to make it stand out
- Take flight, sustain altitude
- Bring attention to position of kite

### Designs

- **First Design:** Parachute
  - Wooden dowels cannot bend
  - Could not use allotted materials to create a parachute kite

- **Second Design:** Modified Sled
  - Body of a sled without the air pockets and rounded edges
  - Strings attached to corners and gathered in middle of kite
  - Reinforced string to dowels with duct tape
  - Connected another string to the middle dowel of the kite
  - Able to stay in the air for a longer time
  - More stability overall

### Tests

- **First Test**
- **Second Test**
  - Twirling in the air

### Example of kite signaling:

Used to reflect the sun’s rays to alert people below.

### The Original Sled Kite vs. The Modified Sled Kite:

This is an image of an original sled kite. Our kite had a similar shape, but there were no air tunnels and the wings on the side of the kite faced up.