The Thundercats
Kite Designs
Sled Kite
Sled Kites

- Sled Kites are very easy to assemble, and also use very few materials. They are also very easy to fly, and can be lifted just by walking down a hallway.

- Sled kites are generally supported by two spurs that run the length of the body.

- They either have holes cut into the body, or tails streaming from the back to add stability.

- Can be made of anything from canvas, to paper, to plastic.

- Flys at a 45 degree angle.

- Due to the ease of assembly, our group would have to waste less time preparing failed prototypes, and have more time to enhance successfully tested models.

- Because sled kites require very few materials, and are extremely easy to transport and assemble, they could be used on lifeboats and rafts as a means to signal for rescue crews. Sled kites could even be brought down during the night and be used as rescue blankets, or as protection from rain.
Delta Kites
Delta Kites

- Delta Kites are one of the most versatile because they can vary in shape and design.
- They also have a keel which is a flap under the spine to have increased stability.
- These kites are many variations that have different effects such as the use of tails for better flying.
- Delta kites are easily disassembled and assembled with simple nylon fabric and two crossbars.
- Practical uses of the Delta kites include sporting events, such as kite flying itself but also fishing events. The kite is sort of used as a bobber on the fishing line.
Stunt Kites
Stunt Kites

- Stunt Kites offer the flyer control over steering the kite and the ability to do tricks.
- The kite is controlled with two lines instead of one.
- The lines are then connected to either a bridle or hand straps that let them steer the kite in a way similar to a bicycle.
- Pull the right chord to turn right and vice versa.
Stunt Kites Cont.

- In World War II two line kites similar to modern stunt kites were used by the US Navy to train antiaircraft gunners.

- Stunt Kites are also used for competitions of kites flyers because of their ability to tricks and stunts
Diamond Kites
Diamond Kites

- Very simple to make
- Only one line connected to the Kite
- Needs a tail to the back of the Kite, which can be anything from a long ribbon, to several ribbons or really anything that drags in the wind
- They have a simple cross brace design to hold the material in place
Applications

- Danger zones
- Advertising/Promotions
- Recreation
- Easy to build for little kids
Works Cited

http://www.my-best-kite.com/delta-kite.html
http://www.windpowersports.com/kites/stunt/
kiteplans.org