The Tycoons: Kite Project

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Diamond Kite Design

- Vertical spar running from nose to tail
- Horizontal or 'cross' spar going side to side
- "Eddy Diamond": tail-less diamond kite trains
Diamond Kite - Practical Applications

- Aerial photography
- Meteorological observations - kite trains
- Transmission of long-range radio signals
- Fishing
- Recreation
Delta Kite Design

- Similar to Diamond
- Leading edges not connected at nose
- Adjustments
- Stable, can use light winds
Applications

• Photography
• Video
• Kite Fighting
Box Kite Design

- One of the earliest types
- Needs Crosspiece to take box shape
- Consists of poles/wooden rods and two sections of cubes constructed of paper/plastic wrapping
- Developed For High Lift
Box Kite Applications

• Used for Towing boats
• Used For Warfare in WWI
• Used To measure atmospheric conditions
• Also for Recreation and Fun
Sled Kite Design

- invented in 1950
- flat on ground
- flaps open when in air
- lines attach to wings
- inexpensive materials
Sled Kite Applications

• original use for fishing
• also fun for kids
Cost & Safety

• A typical kite for fun can cost $10-$20, a bit less for materials

• Safety Tips
  - Some laws prevent kite flying around airports & theme parks with rides over 200ft (griffon coaster prop incident)
  - Don't be Ben Franklin
  - Common sense