

PUFF MOBILE

Scenario: Land sailing is motion across land in a wheeled vehicle powered by wind through the use of a sail. It is primarily a sport that has been practiced since the 1950's and pilots of these crafts can go three to four times faster than wind speed. Land sailing works best in windy, flat areas - taking place mainly on beaches, air fields, and dry lakebeds (playas) in desert regions.

You and your partner are considering designing a craft to participate in the 2008 World Championship land sailing race in Patagonia, Argentina in order to promote the skills of your engineering design company. But, before you spend the money and time on the craft, you would like to build a scale model to validate some of your ideas. Using the following materials to plan and build your design.

Materials: Each group will need:

- ∞ 3 Straws
- ∞ 4 Life-Savers
- ∞ 1 Piece of Paper
- ∞ 2 Paper Clips
- ∞ Masking Tape – An arm's length
- ∞ One item from a bag of miscellaneous scrap materials

What design considerations will play into your concept?

Use the following space to plan your design: