Chair Design Challenge

Situation:

Chairs are found everywhere. They come in nearly an infinite variety of designs and are used for many different purposes. Most chairs are made to permanently occupy space until they are thrown away. Since most chairs are made of a variety of highly processed materials discarded chairs or their materials are rarely recycled. The primary factors determining the cost of a chair are its size and the cost of the material it is made of. Workmanship and brand name, style and aesthetics and market also play a part in determining the price.

Challenge:

To design build a chair.

Specifications:

All the chair parts must be made from the corrugated cardboard provided by the teacher. You may only use no more than two sheets of cardboard, each 4'2" x 5'7" (or approximately 40 square feet) to make all parts of your final chair. The chair must be the color of the cardboard. No color may be added. No adhesives or non-cardboard "connectors" of any type may be used to make or assemble your chair. The chair must have "back" for sitter to rest against.

The chair must support a person of at least 150 pounds in normal use.

Additional Specifications (as defined by the group.)