

K'NEX TOY DESIGN



DESCRIPTION:

The TOY

Your team is to design a toy using a minimum of 25-30 pieces of K'nex with no more than 50 pieces that will interest a child from the ages of 8-10 years old.

The DESIGN

The toy must include a numbered exploded assembly directions sheet with clear views that can be easily followed by someone from another group or the targeted audience.

The BOX

Once designed, you must design a container capable of holding the toy and surviving a 5' drop without bursting open. The container should also be easily assembled with no visible opening to the interior.

The Graphic

The box must also have a graphic on the outside with the K'nex logo, toy name, designers' names, age group, and pleasing graphics suitable for attracting intended buyer audience of 8-10 year olds.

PROCEDURE:

Step 1: Brainstorm as a team for toys

Step 2: Interview 8-10 year olds if needed

Step 3: Begin sketching exploded view once toy idea is determined

Step 4: Complete CAD drawing in 3D

Step 5: Design and build box to hold all parts (Don't forget the directions must fit too)

Step 6: Develop graphic and information for exterior of box

Step 7: Place graphic & info onto box

Step 8: Test all components and check for acceptability on scoring rubric

Step 9: Final project presented to elementary school for judging and testing

