

The conundrum: I enjoy 3d puzzles. There is a sad dearth of 3d puzzles available on the internet.

Development:

There are, of course, many different types of cube puzzles, and there would be a multitude of possibilities. Using smaller plastic cubes to model my pieces, I experimented and came up with three different cube designs, using 5, 6, and 7 pieces.

(Insert pictures of plastic cube models).

(Insert isometric drawings).

After viewing each piece, I decided to model them on the computer so that I could experiment with assembling the pieces, and look at completed models of how the pieces would fit together.

(Insert CAD Drawing files)

Look at materials and cost effectiveness in case of manufacturing?