

Rietveld Red & Blue Chair (Week 1)

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{multithumb}The challenge here is to model Gerrit Thomas Rietveld's 1918 Red and Blue Chair, a classic icon of Bauhaus design.

This is a good practice project because it can be done entirely using extrudes with some cosmetic fillets--the beauty of the design is in how these simple elements come together. I am providing a simple reference orthographic to use as a guide. I recommend splitting it into separate files for the front and side views, and importing them into your part as two separate sketch pictures. Be sure to scale them appropriately (overall dimensions for the chair are given). I am not interested in precise measurements for each part; they should just line up with each other visually without any inappropriate gaps or overlaps.

You will find that the Offset option under the From section of the Extrude PropertyManager will come in very useful for this model. This basically allows you to do an extrusion from a profile starting at an offset from the profile's plane instead of right on it. This means that you can trace all the profiles on the Front and Right planes, and then extrude each part out starting at the appropriate offsets from those planes.

You can easily find additional reference images of this design with a search on "Rietveld chair" or "Red and Blue Chair".

- Orthographic image
- eDrawings file