

26 Timeline to Chairs

Monday, April 10, 2017 1:29 PM

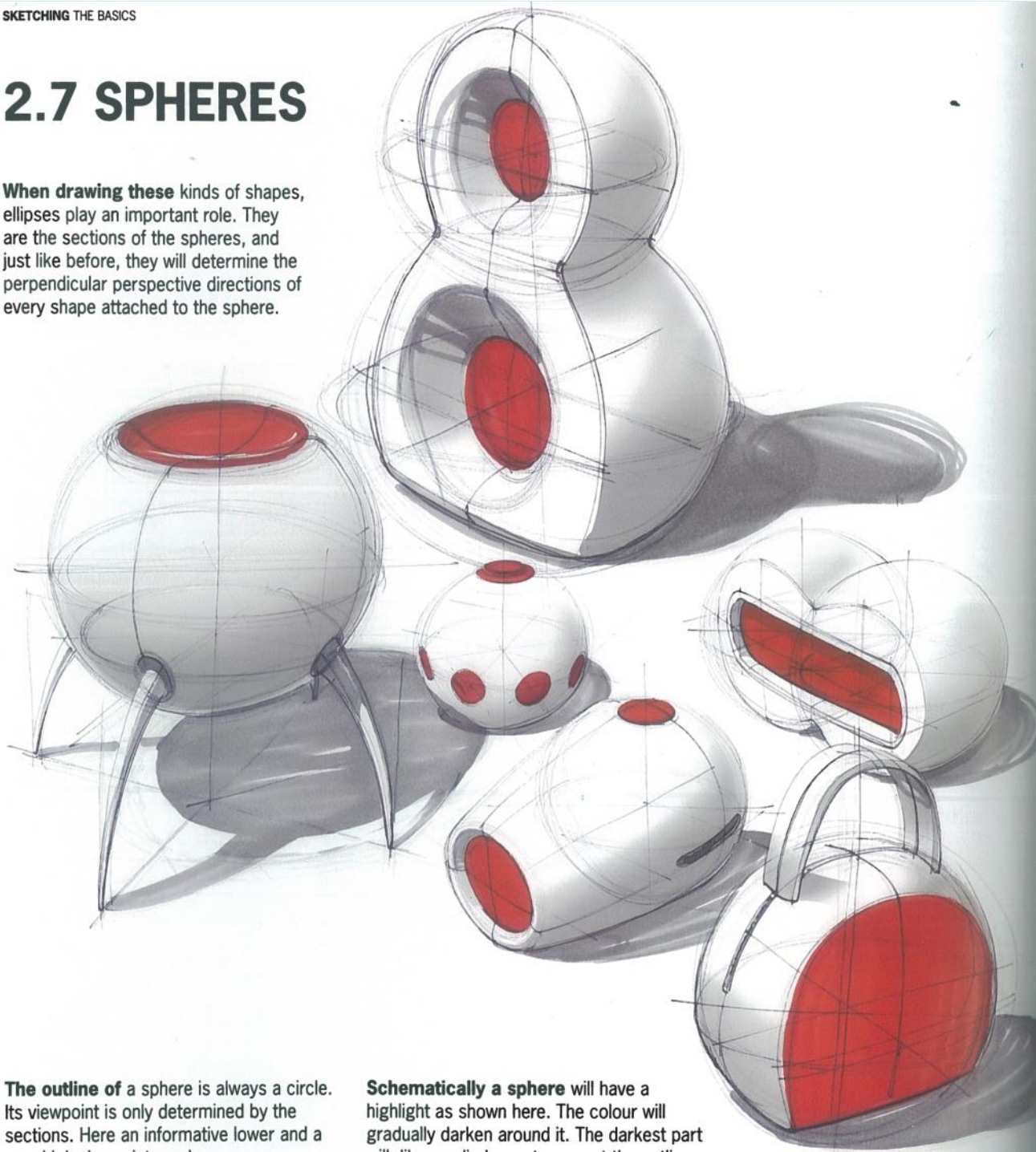
1000 chairs book

Today

- Sketching
- Chairs timeline
- Case studies:
 - Eames lounge chair
 - Ubiquitous Plastic Chair: Monobloc

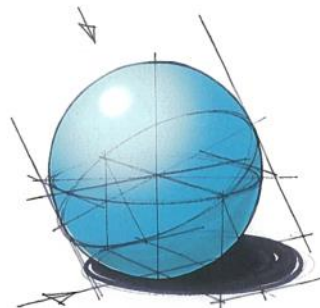
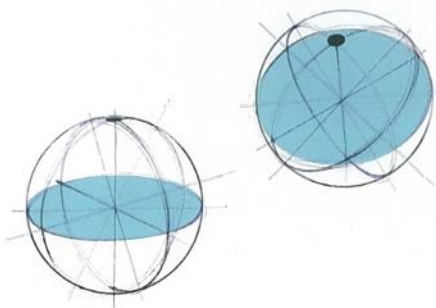
2.7 SPHERES

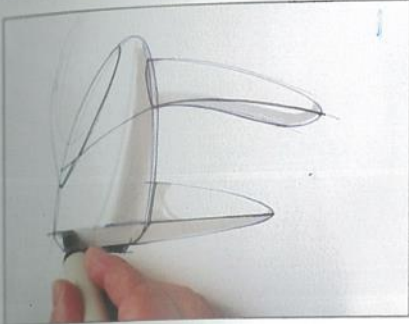
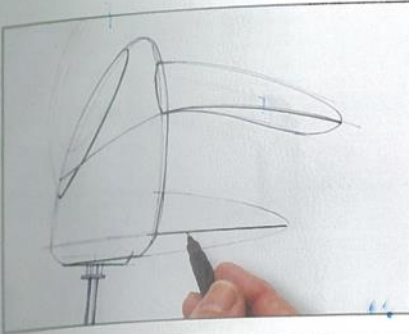
When drawing these kinds of shapes, ellipses play an important role. They are the sections of the spheres, and just like before, they will determine the perpendicular perspective directions of every shape attached to the sphere.



The outline of a sphere is always a circle. Its viewpoint is only determined by the sections. Here an informative lower and a very high viewpoint can be seen.

Schematically a sphere will have a highlight as shown here. The colour will gradually darken around it. The darkest part will, like a cylinder, not occur at the outline, but slightly inside it, resulting in a 'moon-like' shape.

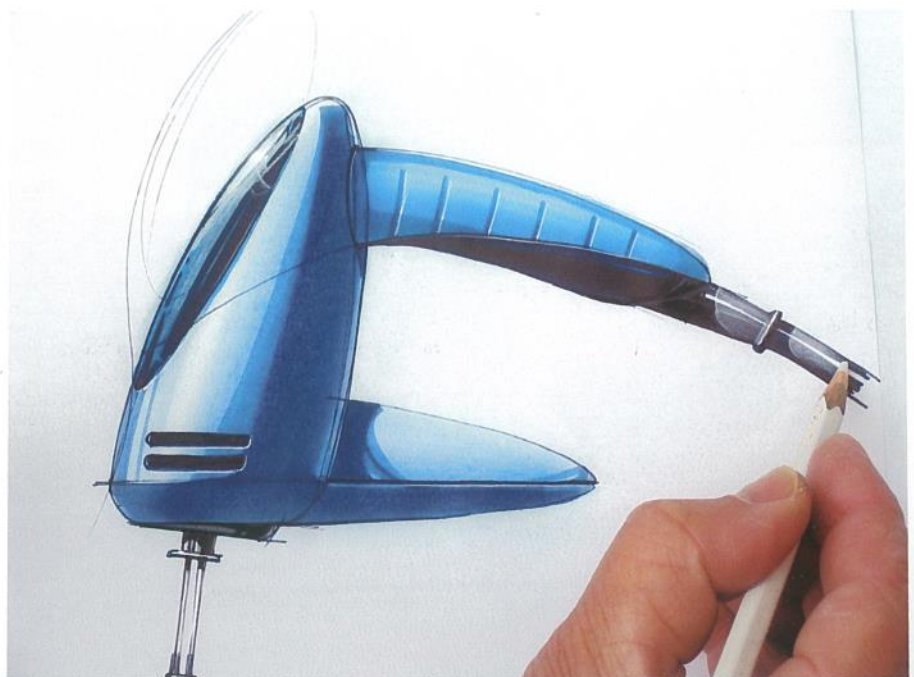




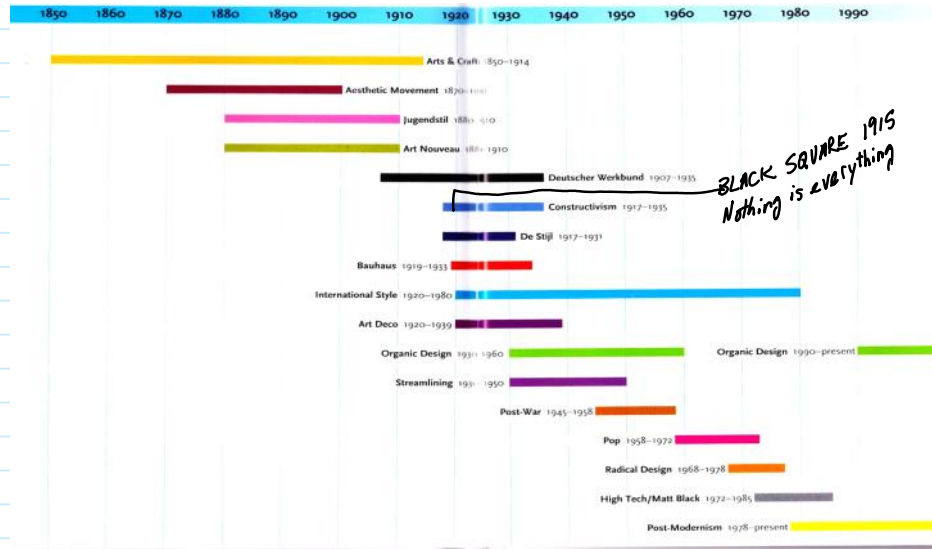
2.8 HOW TO PRACTICE

Whether a drawing is made in side view or in perspective, the sequence of the drawing materials and related choices can be the same.

Start with long, thin sketch lines and choose a direction for the light source. Make stronger lines on the shaded side, bottom and right hand side, and of the separate parts. Apply shading using a grey marker (first try it out in relation to the colour). Apply colour marker and pastel. Make sure the pastel chalk has exactly the same colour as the marker; otherwise the effect of material expression will be lost. Always start 'big' and save details and highlights when finishing the drawing.

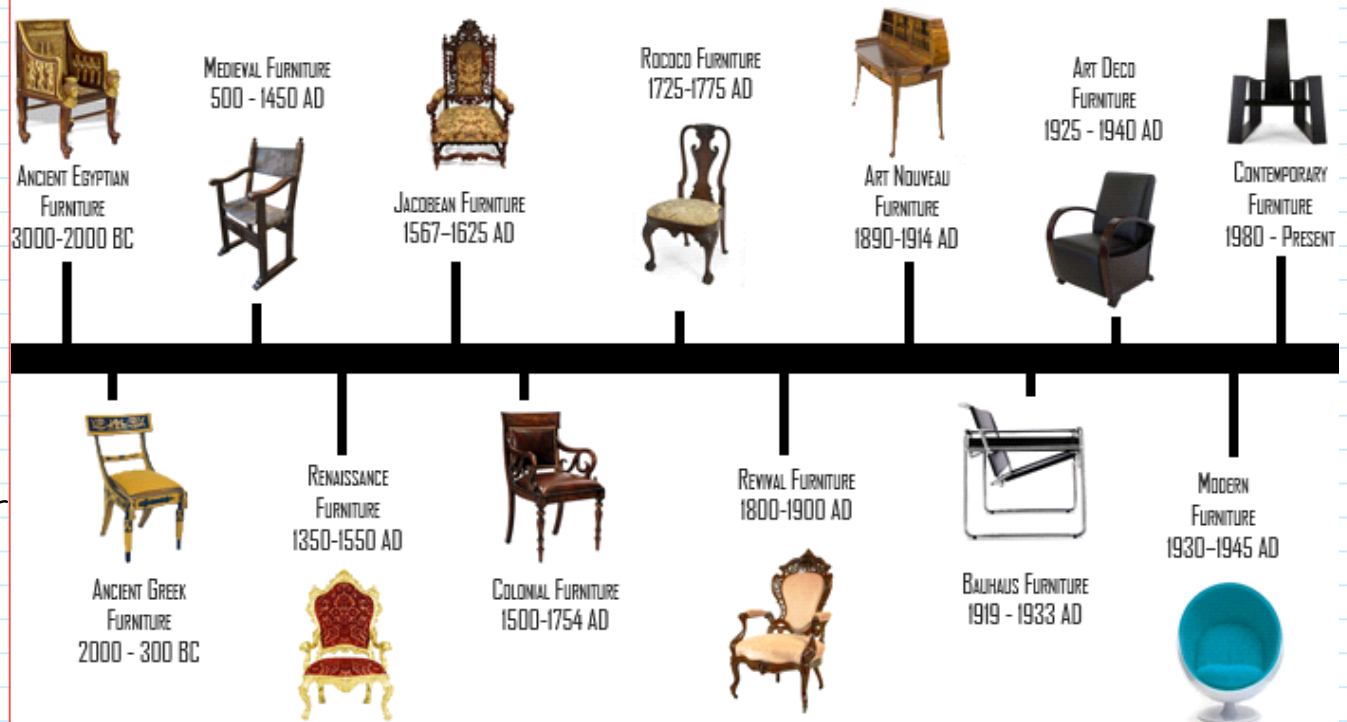


Chairs Timeline



Design Movements in Furniture

<http://www.onlinedesignteacher.com/2016/02/furniture-design-history.html> Has additional examples and closeups



What are the elements that define each one? Visual, materials, fabrication techniques, philosophy?

<http://www.connectedlines.com/styleguide/index.htm> has details of pre-1920 styles. Chippendale etc. Not the same

categories as above.

<http://www.furniturestyles.net/> Another timeline with examples. More text, not so many images.

Prehistoric

Ancient Egyptian

Ancient Greek

Medieval

Renaissance

Jacobean <http://www.furniturestyles.net/european/english/jacobean.html>

Colonial

Rococco

Revival

Arts and Crafts?

Art Nouveau

Bauhaus

Art Deco

Modern

Contemporary

Modern Chairs

20th Century +

<http://www.design-museum.de/en/collection/100-masterpieces.html> Vitra Design Museum site. Basel, Germany.

Modern design is a bit personality driven. The Design Encyclopedia is nothing more than a list of designers and who they worked for/with.

Byars, Mel. *The Design Encyclopedia*. Laurence King Publishing, 2004.

OK, fine, so let's look at specific designers:

Charles and Ray Eames, husband and wife, members of Mid Century Modern/Organic design movement. Pioneered fiberglass and molded plywood seating. Many designs for huge furniture manufacturer Hermann Miller (Grand Rapids, MI). Eames Intro: <http://www.eamesoffice.com/eames-office/charles-and-ray/>

Organic: Incorporated user experience philosophy (the good host, providing comfort) with pioneering manufacturing process; formed plywood shells + upholstery

You have probably sat in this at an airport:



Eames Tandem Sling, by [Herman Miller](#). Still available new. Aluminum frame, vinyl fabric. 2 seater \$4200 up to 47 seats for \$24K. Refurbished with leather, \$6K on Etsy. I always try to sit in these at airports; they fit me.

<https://www.cooperhewitt.org/2017/01/10/title-to-comees108-sofa/>



ES 108 sofa



Eames Lounge Chair and Ottoman (Hermann Miller part numbers 670/671)

Design notes <http://www.eamesoffice.com/blog/eames-lounge-chair-is-cared-for/>

Build process videos:

BRANDMADE.TV. *How an Eames Lounge Chair Is Made - BrandmadeTV*, 2015. <https://www.youtube.com/watch?v=SFaLpbmPOYw>. Proves context. Horrible music. 8 minutes.

[*How We Make the Eames Lounge Chair: Six New Films About the Classic*, n.d.](#)

Eames Office. *670/671 (13 Minute Version)* by Eames Demetrios, 2013.

https://www.youtube.com/watch?time_continue=40&v=tbF8QYU4LSA.

Designed specifically for mass production, organically so that the elements of the mass production process actually enhance the design of the chair. Aimed at the middle class. Now \$4935, still available new from Herman Miller, more than 50 years after its introduction. Priced a bit high for the current middle class.

<https://www.youtube.com/watch?v=IBLMoMhIAfM&feature=youtu.be> Eames introduce the lounge chair on national TV, the Today Show, in 1956 . Long, and difficult for a feminist to watch.

The Eames also made educational films. One of the most famous was

Powers of Ten™ (1977), 2010. <https://www.youtube.com/watch?v=0fKBhvDjuy0>.