

11 Contour Bias

Thursday, March 10, 2016 3:18 PM

Admin Sketching cubes Universal Principles of Design

Clicker:

- 57% A) I know my team mates. I know their projects.
- 58% B) I know my team mates names and faces
- 0 C) I've met them, but can't pick them out in a crowd
- 57% D) I've met one in person, but not the other
- E) Haven't met either one in person

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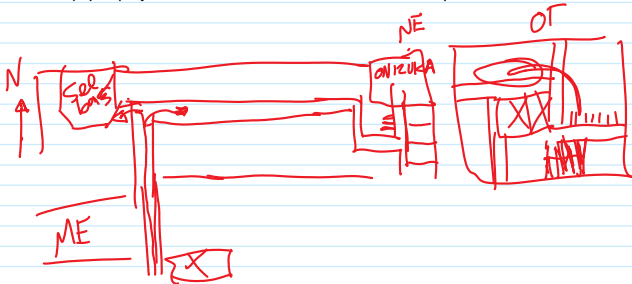
Pod Rooms

Upcycle	Feb 11	Feb13	Feb15
Pod A	ECME 137B	DLC 1B65 (kassie)	ECME 137B
Pod B	ECME 137A	ECAD Clark (YC)	ECME 137A
Pod C	ECOT 317	ECOT 317	ECAE 153 Seebass
Pod D	<u>ECAE 199 Onizuka</u>	ITLL 150	<u>ECAE 199 Onizuka</u>
Backup	ECCR 150	ECCR 150	ECCR 150



Still need volunteer Pod Leaders: a leadership opportunity you can put on your resume!

Upcycle project: Focus is on AESTHETICS not functionality!



CHAPTER 2 DRAWING APPROACH / 2.2 BLOCKS

Look at a horizontal rectangular object (book, phone) with one eye. Observe how the apparent angle of the corner changes as you rotate the object around a vertical axis. The near corner appears always > 90 degrees. Then observe how the apparent angle of the near corner changes as the object is moved from eye level down to the floor.

Deliberately unequal angles are chosen to avoid the front and back verticals of the cube from overlapping one another.

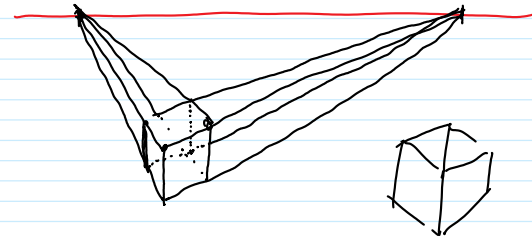
The lines to the left converge more than the lines to the right, owing to the shorter distance to their vanishing point.

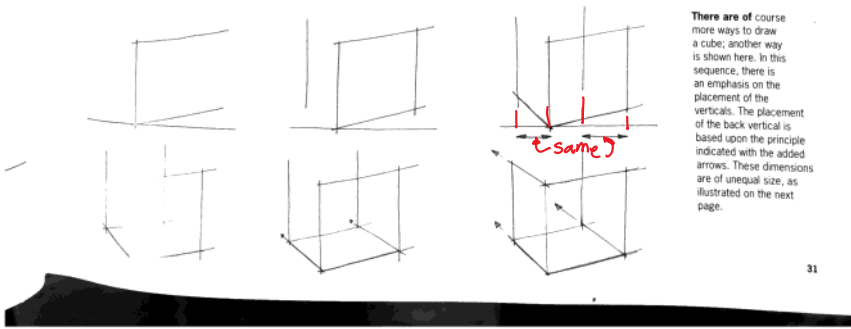
The cube is drawn, starting with a horizontal guide line, a vertical and two lines that will determine the viewpoint.

In an informative drawing, a realistic amount of perspective convergence is chosen.

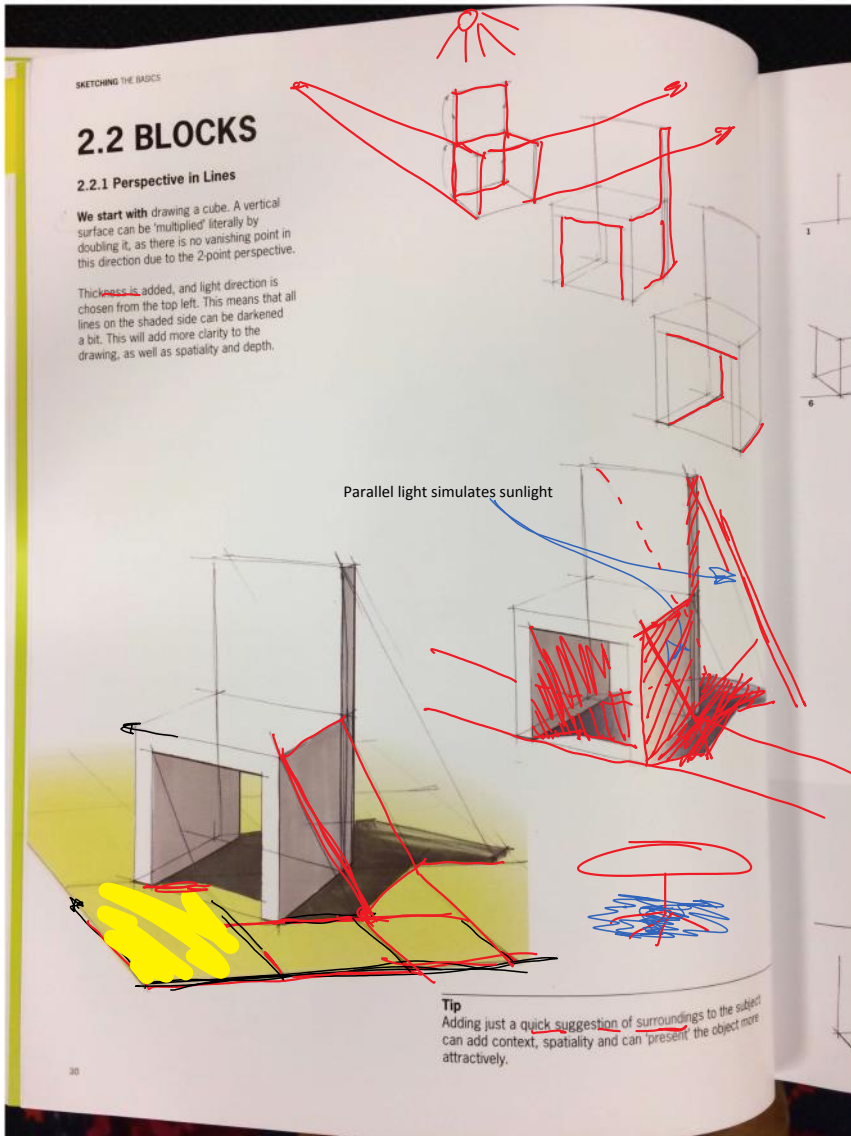
After the bottom surface is completed, use the other perspective lines as a guide. A back vertical and the top surface are drawn last.

There are of course more ways to draw a cube; another way is shown here. In this sequence, there is an emphasis on the placement of the





There are of course more ways to draw a cube; another way is shown here. In this sequence, there is an emphasis on the placement of the verticals. The placement of the back vertical is based upon the principle indicated with the added arrows. These dimensions are of unequal size, as illustrated on the next page.



2.2 BLOCKS

2.2.1 Perspective in Lines

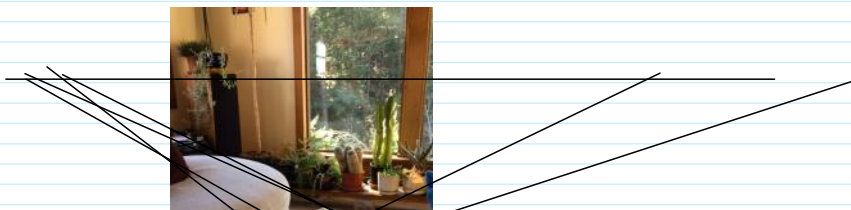
We start with drawing a cube. A vertical surface can be 'multiplied' literally by doubling it, as there is no vanishing point in this direction due to the 2-point perspective.

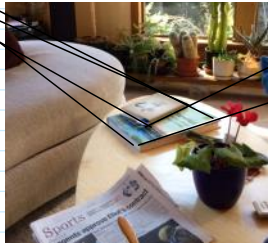
Thickness is added, and light direction is chosen from the top left. This means that all lines on the shaded side can be darkened a bit. This will add more clarity to the drawing, as well as spatiality and depth.

Parallel light simulates sunlight

Tip
Adding just a quick suggestion of surroundings to the subject can add context, spatiality and can 'present' the object more attractively.

Exercise 1: What is realistic for viewpoints? Take some snapshots of rectangular shapes, draw on them, extending lines to see where vanishing points are.





Universal Principles of Design (UPDes)

Book and video series, available on Lynda.com (<http://www.colorado.edu/lynda>)

Many good functional design rules, based on ergonomics, psychology, market research; what do people do when they interact with designs? Text has references that video omits.

And some good aesthetics rules, based on research on human likes/dislikes.

Today, Contour Bias



Pointy objects are scary, they activate the amygdala, the part of the brain that processes fear (flight vs fight)

Pointy objects command attention and provoke thought

Rounded objects are more liked.

Where do you see this play out? Cars, furniture, architecture, other products?

What do you want for your Upcycle project: to be liked or be thought provoking?