



Design and designing

Converting cubes into objects

Activity Fifteen, we're going to use this crating technique now to produce some complex drawings. The first one is going to use the vertical double cube to produce a chess piece, the second one is going to use side by side cubes to convert into a piece of furniture, something like a sofa. I start off as I have done in the other activities with this Y shape here and I'm using those to estimate where the other lines go to. I project that front face up and I am going to approximately judge the height of that – it needs only be approximate – and then project those, cross over there and then using my other lines to help estimate that, project that down to there. Okay, so I've got there two cubes, one on top of the other. I'm going to convert this to a chess piece and this is like the one that appears in the workbook. I'm actually going to join those two corners together and then I'm going to join that corner and that corner and if I use my thicker nibbed pen now, I can actually begin to strengthen up that drawing so you can see what it is that it's supposed to be. That's the advantage of having one of these thicker pens on hand, you can begin to identify what is the construction line and what is the outline and I could further increase that image of tone by using that technique that we used at the beginning of these exercises to give you some idea of shading on this object, just rather quickly put in, and you can see we appear to have now two triangular forms, two wedge shaped pieces, which could be some abstract form or I could begin to develop that into something else. But it is a way of developing design sketches using the simple crating technique. The side by side cubes, again I start exactly as I started before, having the single shape – project that line out, project these lines out estimating where that is going to be and projecting those back like that. Now I am going to use that double cube to convert into a settee and if I begin to block in my outlines onto here and then construct these – and I'm using the lines that I've already got as guidelines to help me draw the object under consideration so you'll see this begin to emerge in a minute. So here's my sofa, it's a rather cubic sofa and probably not very comfortable, I'll turn that around and you can see I have a passable representation of an object which has been constructed into those cubes. So we have two objects which begin now to show us sketch representations of objects but they have been constructed by some very simple cube forms which are easy to produce.