



Design and designing

Drawing in perspective

Activity Eleven is about two-point perspective. If you look at this page here you will see that I have given you two vanishing points and they exist on a horizon line. Below this is an object line. Now I have made my horizon line about 25mm from the top of the page, it's not critical and that dimension is given to you in your modelling workbook. The object line I have deliberately placed 10 centimetres, 100 mm below the horizon line, and that dimension is quite critical. The vanishing points are two centimetres in from the edge of a sheet of A3 paper so if you are working on standard paper that should be fairly easy to achieve. Now we've got a line drawn down and this is going to be the front edge of the object that we're going to draw and again a dimension for that is given to you, it's 180mm from the left hand edge, that's 18 centimetres from the left hand edge. Once you've got these dimensions we can produce a rather quick and easy two point perspective of a box. I will draw these in a lighter pen first of all, I'm going to construct this front point and because it exists on the object line I'm going to call this front corner here the object point, that's the bottom corner of the object that I'm going to draw. Now I'm going to choose to make my little object four centimetres high, so I measure up four centimetres on this vertical line and connect those to vanishing point one on the left hand side and to vanishing point two on that side. Now we can decide how thick we want these: I suggest you don't make them too far away from the front of the drawing, it'll look rather distorted if you do, and the same on this side. So I am just going to estimate a dimension which is fairly close to this first line, I'm going to put it there, just as a guess and nothing more and on this side I'm going to put a mark about here. Again I'm just guess it, it doesn't matter if it is a bit further out or a bit nearer to the line. And now we've got two more points which we can join to the vanishing points like this and like this. Now if I use the other end of my pen, you can see that we've created a two point perspective drawing of an object which could be a house brick, it could be a colour board box, perhaps a tissue box but it is a plausible representation of a three dimensional object.