WEEK 11 WORKSHEET

Subject: Basic Technology   **Year/Level:** 10
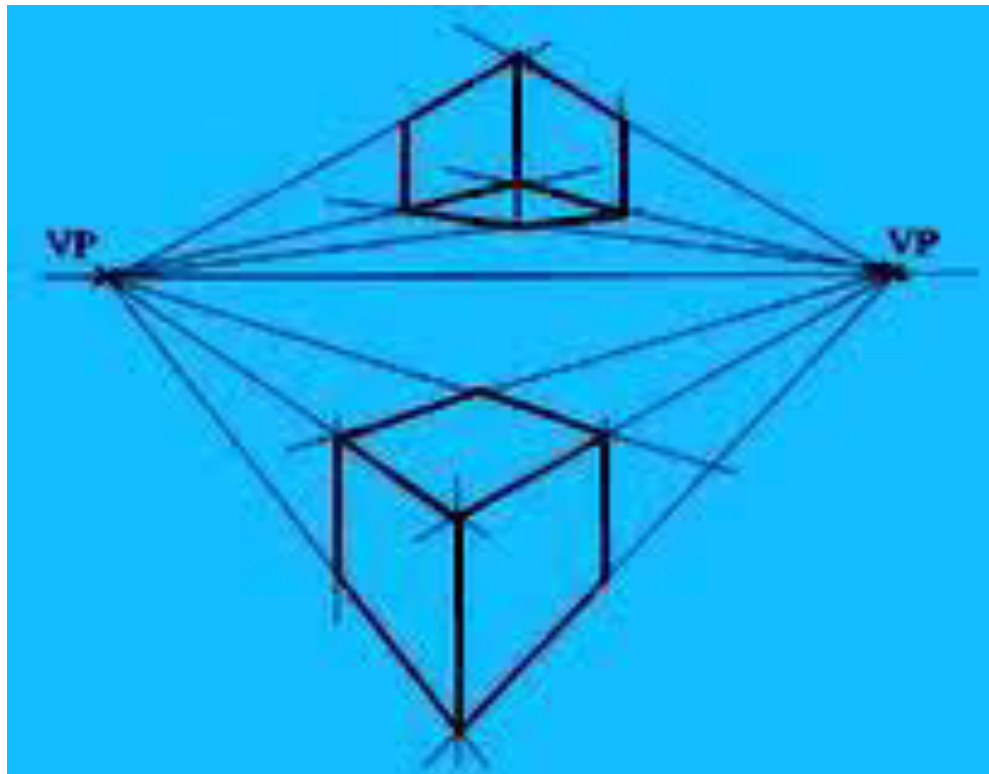
Strand	BT10.5 GEOMETRICAL DRAWING
Sub Strand	BT 10.5.2 3D DRAWING
Content Learning Outcome	BT10.5.2.1 Develop skills in complex pictorial drawings in two-point perspective.

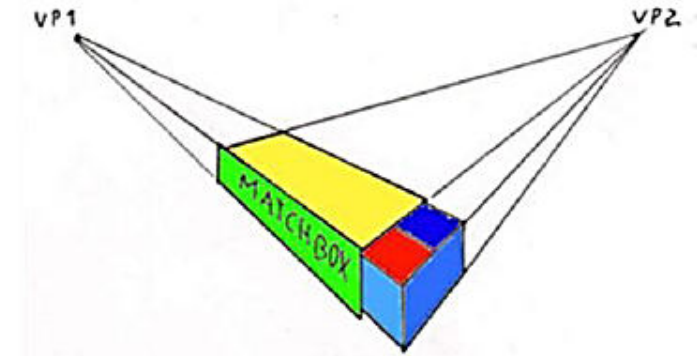## LESSON NOTES

PERSPECTIVE DRAWING

Perspective drawing is used to represent an object as it would appear to the eye when viewed from one particular position. A perspective drawing shows a view like a picture taken with a camera It may be used in working drawings where a more realistic representation or artistic effect is required than that obtained by means of isometric or oblique drawing.

Two point perspective

In two point perspective drawing, we imagine two vanishing points. The two top corners of the page may be used for most purposes. Two-point perspective can be used to draw the same objects as one-point perspective, rotated: looking at the corner of a house, or looking at two forked roads shrink into the distance, for example. One point represents one set of parallel lines; the other point represents the other. Looking at a house from the corner, one wall would recede towards one vanishing point; the other wall would recede towards the opposite vanishing point.

Steps in Two Point Perspective

✓ All the lines that are drawn towards the left are drawn to the left vanishing point.

✓ All the lines that are drawn towards the right are drawn to the right vanishing point.

✓ Vertical lines stay vertical.

✓ We normally draw a crate first that represents the height, length and width of the object that we want to draw.

✓ Extra lines are then drawn inside the crate until the shape of our object is drawn faintly.

✓ The outline of the object is then drawn darker over the feint construction lines.

✓ The construction lines may be rubbed out using an eraser or if they are very feint, they may be left. Finally the drawing may be rendered by adding light, shade and colour.
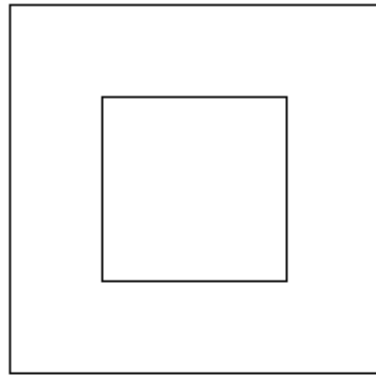

Two-point perspective

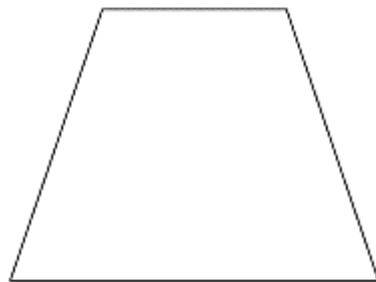**Examples of two point perspective drawing:**

STUDENT ACTIVITY

GIVEN: The Plan and the Elevation of a truncated Pyramid.

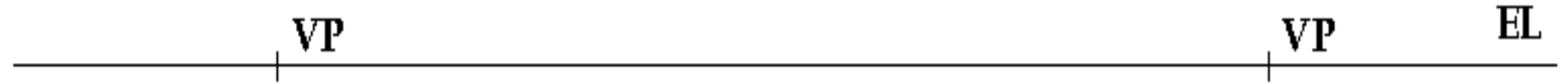REQUIRED: Construct a Two-Point Perspective projection
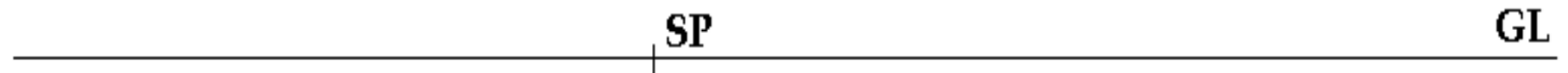of the Truncated Pyramid under the given setup.

PLAN

VP   VP   EL

ELEVATION

SP   GL

THE END