

Drawing: Complex 2D and 3D shapes

Tec.Graphics

Statement Code no: 11

Student:

Class:

At Junior Certificate level the student can:

Use basic drawing instruments to demonstrate the skills of drawing and the knowledge of more complex 2D shapes and basic 3D shapes

Date Commenced: / /

Date Awarded: / /

Learning Targets - This has been demonstrated by your ability to:

- | | | |
|----|---|--|
| 1 | Copy to given dimensions, a drawing containing rectangles, squares and circles from printed materials | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 2 | Recognise and understand the line types, centre line, hidden detail and construction lines | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 3 | Draw octagons and hexagons in a circle using compass, T square and set square only | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 4 | Measure given angles using a protractor | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 5 | Construct and explain a variety of acute and obtuse angles using set squares | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 6 | Use drawing instruments to construct pictorial views of basic 3D shapes | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 7 | Draw triangles using ruler, compass and protractor | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 8 | Draw octagon, hexagon, and pentagon of given dimension using ruler, compass and protractor | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 9 | Construct basic geometrical 3D shapes (e.g. cube, rectangular prism and cylinder) to given measurements in oblique projection | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 10 | Construct basic 3D geometrical shapes (e.g. cube, rectangular prism) to given measurements in isometric projection | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 11 | Draw a cube using a 2 point perspective drawing | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 12 | Enhance 3D images through the use of colour and shade | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |

Refer also to: All subjects except Physical Education

Work begun | Work in progress | Work completed