

# Drawing: 2D shapes

## Technical Graphics

Statement Code 10

Student:

Class:

At Junior Certificate Level the student can:

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

Date Commenced:    /

Date Awarded:    /

**Learning targets**—This has been demonstrated by your ability to:

- |                                                                                                        |                                                                            |
|--------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| 1. Recognise and name drawing instruments: set square, T square and compass                            | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 2. Measure and transfer in mm and cm to given length                                                   | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 3. Lay out page neatly including title box                                                             | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 4. Draw horizontal and vertical lines using T square and set squares                                   | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 5. Draw neat lettering in capitals using guide lines                                                   | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 6. Name basic 2D shapes in your environment                                                            | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 7. Draw a rectangle and a square to given dimension, using a ruler and set squares                     | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 8. Construct triangles to given measurements using 90°/45° and 60°/30° angles                          | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 9. Draw a circle, using compass, ruler and set squares to given measurement                            | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 10. Identify circle, radius, diameter, arc and centre (and abbreviations or symbols where appropriate) | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 11. Recognise dimensions in a given drawing and apply set standards for dimensioning basic 2D shapes   | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 12. Construct geometrical patterns within 2D images using drawing equipment                            | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |

Work begun ☐ ☐ ☐ | Work in progress ☐ ☐ ☐ | Work completed ☐ ☐ ☐