

# Shape and Space

CC

Statement Code no: 27

Student:

Class:

At Junior Certificate level the student can:

Apply knowledge and understanding of the proportions of common 2D/3D shapes to their work

Date Commenced: / /

Date Awarded: / /

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

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|--|--|
| 1 Name and identify common 2D shapes: rectangle, square, circle, triangle, oval, ellipse, polygon                | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 2 Name and identify common 3D shapes: cone, cylinder, cube, rectangular prism, pyramid, ovoid, sphere, ellipsoid | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 3 Name and identify right angles, acute angles, obtuse angles, reflex angles, straight angles                    | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 4 Name and identify equilateral, isosceles and right-angled triangles  | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 5 Name and identify the centre, circumference, chord, radius and diameter of a circle                            | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 6 Explain directional words: clockwise, anti-clockwise, horizontal, vertical, parallel, diagonal                 | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 7 Measure angles accurately using a protractor   | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 8 Draw angles accurately using a protractor  | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 9 Construct a rectangle using a ruler, set square and compass  | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 10 Construct a triangle using a ruler, compass and protractor  | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 11 Construct a circle with a given radius using a compass  | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 12 Enlarge a shape using a grid  | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |

Refer also to: English, Art, Geography, Home Economics, Materials Technology: Wood, Maths, Materials Technology: Metal, Technical Graphics, Science