

# Design Process

MTW

Statement Code no: 5

Student:

Class:

At Junior Certificate level the student can:

## Understand and use the Design Process

Date Commenced: / /

Date Awarded: / /

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

- |    |  |  |
|----|--|--|
| 1  | List the factors to be considered when analysing the Design Brief  | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 2  | Research, investigate and gather information on the item or artefact to be made. (eg photographs, catalogues, books) | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 3  | Demonstrate, through notes, photographs and sketches, possible solutions to the given brief                          | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 4  | Produce a working drawing (sketch) of how the piece will be assembled  | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 5  | Prepare a model or prototype of the proposed solution  | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 6  | List, in correct order, the steps that are required to construct the project   | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 7  | Demonstrate manual dexterity in marking out, processing and finishing the item or artefact                           | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 8  | Critically evaluate the finished product   | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 9  | Produce a folio for the given project  | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 10 | Apply computer graphics to enhance the work  | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |

Refer also to: English, Art, Maths, Materials Technology: Metal, Technical Graphics, Science

Work begun    | Work in progress    | Work completed