Area of Experience: Technology

Technology

At Junior Certificate level the student can:

1	Craft and Materials Work with materials having practised the basic skills appropriate for assembling finished pieces Theory Display basic background knowledge of technology Technology and Society Display a basic knowledge of the effects of developments in technology on society Design Brief Compile a design brief for a selected technology project	000
2		000
3		000
4		000

Craft and Materials



Statement Code no: 1

Class:

At Junior Certificate level the student can:

Work with materials having practised the basic skills appropriate for assembling finished pieces

Student:

	Date Commenced: 00/00/00 Date Awarded: 00)/00/00			
Learning Targets - This has been demonstrated by your ability to:					
1	Follow basic technology room rules	000			
2	Understand the reasons for safety procedures	000			
3	Understand and follow safety procedures	000			
4	Understand and be able to make basic drawings, for example, orthographic, isometric and oblique	000			
5	Measure and mark out the material, using the appropriate tools and measuring instruments	000			
6	Design and cut out simple shapes	000			
7	Display manual dexterity through assembly	000			
8	Produce a simple piece of work	000			
9	Produce your own simple solution to a basic technology working problem	000			
10	Understand the uses of joints	000			
11	List the steps needed to make a simple object	000			
12	Examine the finished item you have made and identify the improvements that could be made	000			

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

Work begun 🔵 🔘 📋 Work in progress 💭 💭 📋 Work completed 💭 💭

Theory

Technology

Statement Code no: 2

Student:

Class:

At Junior Certificate level the student can:

Display basic background knowledge of technology

Date Commenced: 00/00/00 Date Awarded: 00/00/00

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

1	Recognise forms of energy, for example, mechanical, chemical, electrical etc.	000
2	Recognise devices that convert energy from one form to another	000
3	Learn the units of energy and power	$\bigcirc \bigcirc \bigcirc \bigcirc$
4	Understand structures that maintain shape under load	000
5	Display an understanding of the use of mechanisms	000
6	Display an understanding of basic electric circuits, for example, lamp circuit	000
7	Understand the uses of simple electronic systems	000
8	Understand the basic uses of pneumatics	000
9	Understand the basic uses of robotics	000

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

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Technology and Society



Statement Code no: 3

Student:

Class:

At Junior Certificate level the student can:

Display a basic knowledge of the effects of developments in technology on society

Date Commenced: 00/00/00 Date Awarded: 00/00/00



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

Work begun 🔍 🔘 📋 | Work in progress 🔍 💭 📋 | Work completed 🔍 💭 💭

Design Brief



Statement Code no: 4

Student:

Class:

At Junior Certificate level the student can:

Compile a design brief for a selected technology project

Date Awarded: 00/00/00 Date Commenced: 00/00/00 Learning Targets - This has been demonstrated by your ability to: $\bigcirc \bigcirc \bigcirc \bigcirc$ Give two reasons for your choice of project from the given selection 1 000Design three pieces and choose one, giving reasons for your choice 2 000 Draw a schematic drawing for each piece of your chosen project 3 000 List the materials for cutting 4 000Record each piece 5 000 Record the work process involved 6 000 7 Record the process involved in assembling the pieces of the project 000Identify faults in the design, if any 8 9 Identify difficulties you have come across in designing, making and 000assembling your project

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