



Engineering



Archdiocese of Liverpool

Curriculum intent:

This qualification will enable you to learn about the process of engineering manufacture and understand the different materials that can be used to manufacture products. You will develop the ability to plan the production of a one-off product using a range of handheld pieces of equipment and machining methods. You will also learn how to program CNC equipment to manufacture.

Year 11

	Content	Concepts and Skills
TERM 1	NEA R016	NEA Task 2 • standard operating procedure. NEA Task 3 • create a working drawing with sufficient information for the CNC manufacturing operation. NEA Task 4 • Students are required to set up and operate a CNC process/equipment.
TERM 2	NEA R016 R014 External Examination Preparation	NEA Task 5 • enter data onto a control chart and identify when intervention is required. Topic Area 1: Manufacturing processes Topic Area 2: Engineering materials Topic Area 3: Manufacturing requirements Topic Area 4: Developments in engineering manufacture
TERM 3	R014 External Examination Preparation	Exam Skills

