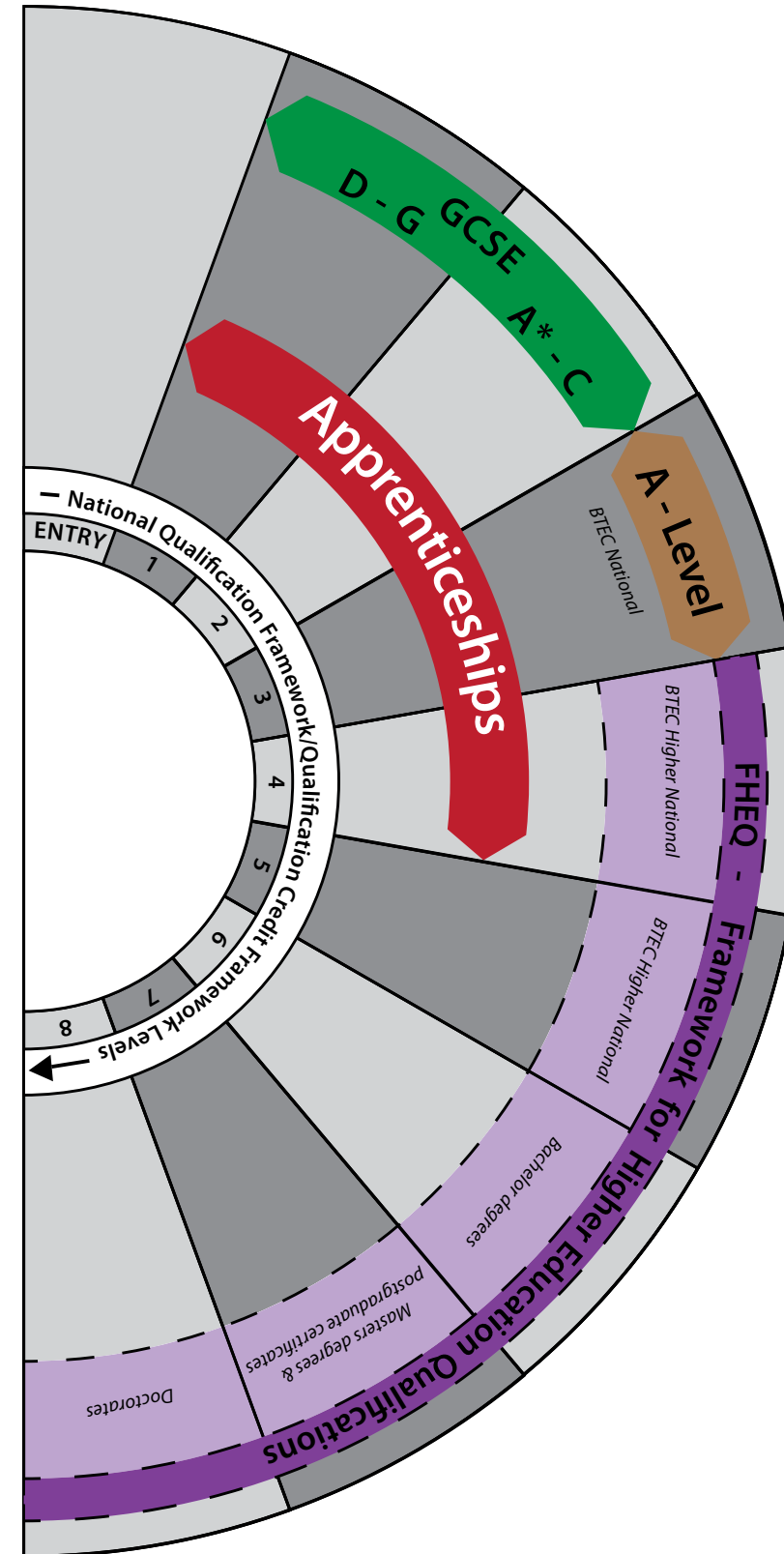


Curriculum mapping



Solution (product code in brackets)

Solution (product code in brackets)	Science/Physics	Computer Science	Electrical/Electronic Engineering	Mechanical Engineering	Automation, Robotics & Mechatronics	Manufacturing Engineering	Aviation	Automotive	Electrical Installation
Fundamentals of electricity (LK6444)	1								
Electricity, Magnetism & Materials (LK9071-2)	1, 2		2					1	
Energy & the environment (LK7345-2)	2, 3								
Physics A level solution (LK9329)	3								
Class pool kit (LK6802)	3								
Introduction to Robotics (Formula AllCode)		All levels	All levels		All levels				
Programming Arduino microcontrollers (HP9769)		All levels	All levels		All levels				
Applied electrical science (LK9071-2)			2						
Electronic devices & communication applications (LK3889)			2						
Fault finding in electronic circuits (LK3566)			2, 3						
Intermediate electrical & electronic principles (LK9862)			3, 4	3, 4		3, 4			
Industrial sensors, actuator & control applications (LK5783)			3	3	3	3			
Three phase systems (LK4961)			3						3
Electrical machines system (& add-ons)			3						
Operational amplifiers add-on pack (LK6906)			3						
Combinational logic add-on pack (LK6904)			3						
Sequential logic add-on pack			3						
Transistor amplifiers add-on pack (LK9435)			3						
Principles & applications of electronic devices & circuits (LK9422)			3, 4						
Advanced electronic principles (LK6804)			3, 4						
TINA v10 circuit simulation & PCB design software			3, 4, 5						
Advanced electrical, electronic & digital principles (LK9044)			4						
Digital & Analogue electronic systems (LK3566)			3						
Power & energy electronics (LK3568)			3, 4, 5						
Prototyping electronic circuits (HP512)			3, 4						
Programming PIC microcontrollers with Flowcode, C or Assembly (HP4988)			3, 4, 4	3, 4, 5	3, 4, 5	3, 4, 5			
Programming Arduino microcontrollers with Flowcode, C or Assembly (HP9769)			3, 4, 5	3, 4, 5	3, 4, 5	3, 4, 5			
Microcontroller standard & deluxe starter packs			3, 4, 5	3, 4, 5	3, 4, 5	3, 4, 5			
Electronic engineering communications solutions			5, 6						
Mechanical Engineering solutions				3, 4					
Automatics: pneumatic essentials, electronic & control solutions			3, 4	3, 4	3, 4	3, 4			
Automatics: pneumatics with industrial PLC's			3, 4, 5	3, 4, 5	3, 4, 5	3, 4, 5			
Automatics: Miniature factory (AU4039)				3	3	3			
Mechatronics systems solution (HP4550)			3, 4		3, 4				
Robot arm production cell (RB6231)					3, 4				
CNC CAD/CAM & simulation software (MB6809)						3			
MicroCNC system solutions						3			
Deskproto CAM software (CN2498)						3			
EASA electrical fundamentals (module 3) (LK9339)							3, 4, 5		
EASA electronic fundamentals (module 4) (LK9282)							3, 4, 5		
Turbo jet engine model (MB9200)							3, 4, 5		
AC principles for automotive technicians (LK8222)								2	
An introduction to motors, generators & hybrid (LK7444)								2	
An introduction to digital electronics (LK4221)								2	
Sensors & control in automotive applications (LK9834)								3	
CAN bus systems & operation (LK7629)								3	
Hybrid vehicle demonstration system (LK6483)								3	
Cutaway vehicle engine & chassis								All levels	
Electrical installation level 1 (LK5000)									1
Electrical installation level 2 (LK4063)									2
Transformer construction and operation (LK1989)									2, 3
Principles of lighting (LK2285)									3
Electrical Installation circuit principles (LK4562)									3
Electrical machines (EM5066)									3



The Matrix curriculum map is designed to give those reading our catalogue an idea of the educational levels for which our products are developed. The wheel-diagram on this page explains more about levels of educational achievement in the United Kingdom.

We map our curriculum to internationally renowned syllabuses from BTEC (National & Higher National) to City & Guilds, EAL, WJEC, European Aviation Safety Authority & Institute of Motor Industry qualifications.

Throughout our catalogue, each solution details carefully selected curriculum units, so you can select what you require. For further explanation or help with this, do not hesitate to get in touch.