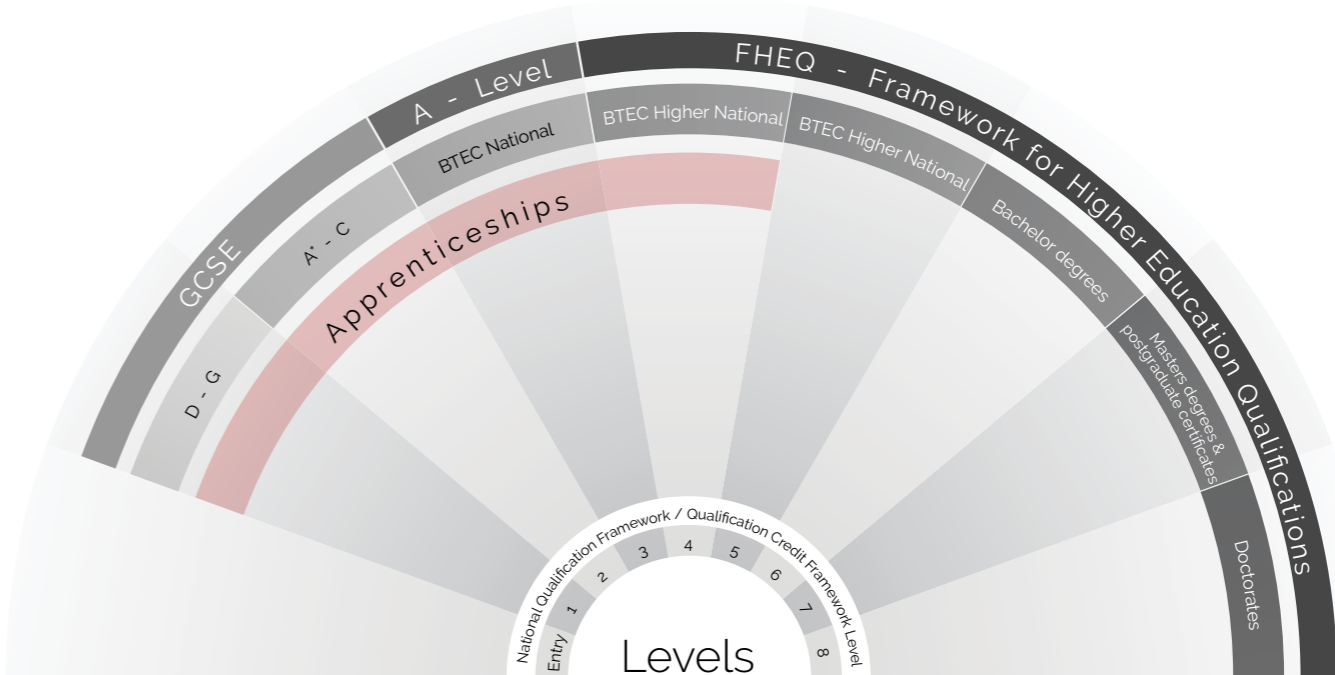


Solution (product code in brackets)	Science / Physics	Fibre Optics, Photonics and Optical Science	Computer Science	Electrical/Electronic Engineering	Mechanical Engineering	Automation, Robotics & Mechatronics	Manufacturing Engineering	Aviation	Automotive	Electrical Installation
Electricity, magnetism & materials (LK071-2)	1, 2									
Fundamentals of electricity (LK6444)	1									
Energy & the environment (LK7345-2)	2, 3									
Electrical and electronic principles (LK3929-2)	3									
Class pool kit (LK6802)	3									
Source - combined power supply and signal generator (LK6999)	All									
Thermodynamics kit (HP4159)	2, 3									
Basics of physical optics kit (PF4286)	2, 3									
Basic fibre optics networks (FF5244)	2, 3									
Advanced physical optics kit		4*								
Principles of Optical Waveguiding kit (FP0294)		4*								
Advanced fibre optic communications kit (FP4010)		4*								
Bit error rate & eye diagrams kit (FP6269)		4*								
Optical network analysis & OTDR kit		4*								
Erbium doped fibre amplifiers kit (FP5366)		4*								
Principles of lasers kit (FP0668)		4*								
WDM components & systems and Bragg gratings kit		4*								
Introduction to Robotics						All				
Programming Arduino microcontrollers			3, 4							
Programming PIC microcontrollers			3, 4							
Raspberry Pi development kit			3, 4							
AllCode robot arm production cell (RB6231)			3, 4			3, 4				
PIC systems solution (LK8022-2)			3, 4							
Applied electrical science (LK0071-2)				2						
Electronic devices and communication applications (LK3880-2)				3						
Intermediate electrical and electronic engineering (LK6499-2)				3						
Industrial sensors, actuator and control application (LK5783-2)				3, 4						
Three phase systems (LK4961)				3, 4						
Electrical machines system (EM6637)				3						
Electrical machines AC & three phase add-on kit (EM6413)				4, 5						
AC machine thyristor speed control add-on pack (EM8060)				4, 5						
Operational amplifiers add-on pack (LK6996)				3						
Transformer construction and operation (LK1989)				3						
Combinational logic add-on packs (LK6904)				3						
Sequential logic add-on pack (LK6995)				3						
Transistor amplifiers add-on pack (LK0435)				3						
Principles and applications of electronic devices and circuits (LK9422)				3, 4						
Advanced electronic principles (LK6804)				3, 4						
TINA V11				3, 4, 5						
Advanced electrical, electronic and digital principles (LK9044)				4						
Fault finding in electronic circuits (LK3566)				3, 4						
Digital and Analogue electronic systems				3						
Power and energy electronics (LK3568)				3, 4, 5						
Power, Electronics and Storage				4, 5						
Industrial System				4, 5						
Programming Arduino microcontrollers				3, 4						
Programming PIC microcontrollers				3, 4						
Programming dsPIC microcontrollers				3, 4						
Programming AVR microcontrollers				3, 4						
Programming ARM microcontrollers				3, 4						
Raspberry Pi development kit				3, 4						
Electronic engineering communications solutions				4*						
Source - combined power supply and signal generator (LK6999)				All						
Mechanical kits					3, 4					
Thermodynamics kit (HP4159)					2, 3					
Automatics essentials solution (AU0020)						3, 4				
Electro-pneumatics add-on kit (EM6413)						3, 4				
Pneumatics control add-on kit						3, 4				
Pneumatics with your own PLC						3, 4				
Automatics interactive courseware (AW20780)						3, 4				
Miniature factory (AU4956)						3, 4				
PLC adaptor rail						3, 4				
Mechatronic systems (HP4550)						3, 4				
Formula AllCode football mat add-on (RB4938)						2*				
Micro CNC system controller and base plate (CN4079)							3			
2-axis Micro CNC lathe (CN2668)							3			
2-axis Micro CNC milling machine (CN4234)							3			
4-axis Micro CNC milling machine (CN2885)							3			

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Complete MicroCNC set (CN3885)							3			
Deskproto CAM software							3			
CamBam software							3			
EASA electrical fundamentals (module 3) (LK9330)								3, 4, 5		
EASA electronic fundamentals (module 4) (LK9282)								3, 4, 5		
EASA electrical and electronic fundamentals (modules 3 and 4) (LK9282)								3, 4, 5		
Turbo jet engine model								3, 4, 5		
Electricity, magnetism and materials (LK0071-2)									1	
AC principles for automotive technicians (LK8222)									2	
An introduction to motors, generators and hybrid (LK7444)									2	
An introduction to digital electronics (LK4221)									2	
Combined level 2 automotive pack (LK4500CUS)									2	
Sensors and control in automotive applications (LK9834-2)									3	
CAN bus systems and operation (LK7620)									3	
CAN bus systems and operation solution with engineering panel (LK2830)									3	
Hybrid vehicle demonstration system (LK6483)									3	
Cutaway vehicle engines									3*	
Cutaway vehicle chassis									3*	
Electrical installation level 1 (LK0000)										1
Electrical installation level 2 (LK4063)										2
Level 2: Demonstration kit										2
Transformer construction and operation (LK1989)										2, 3
8202 level 2: Electronic components and circuits pack (LK2001)										3
8202 Level 3: Electrical installation circuit principles (LK4562)										3
8202 Level 3: Principles of lighting (LK2885)										3
Electrical machines system (EM6637)										3
Electrical machines AC & three phase add-on kit (EM6413)										3



The Matrix curriculum map is designed to give you 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 syllabi, from:

- Pearson (mainly through the BTEC qualifications)
- City & Guilds
- EAL
- WJEC/Eduqas
- AQA
- OCR
- European Aviation Safety Authority
- Institute of Motor Industry

We're also able to develop specific equipment for a range of higher education qualifications at undergraduate and postgraduate level and we work with some of the World's most prestigious Universities.

Throughout our catalogue, each solution details selected curriculum units, so you can select what you require accordingly, however this is by no means a definitive list.

For further explanation or help with this, do not hesitate to get in touch.