

## **BTEC First in Vehicle Service and Technology (Old) / BTEC First in Vehicle Technology (New) - unit mapping**

### **Rationale**

When developing the new units and qualifications, content from the old units was reviewed and altered to reflect more accurately the sector requirements by aligning the content closer to the National Occupational Standards (NOS).

To address the volume of content, sometimes cited as being 'over specified', the new units have been design to give more flexibility for the user, centre and learner by careful use of 'egs' within the unit content.

A quick overview is included to give the reader a summary of the relationship between the old and new units, followed by a more detailed review.

## BTEC First in Vehicle Service and Technology (Old) / BTEC Firsts in Vehicle Technology (New) - unit mapping overview

Old Units \ New Units	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6	Unit 7	Unit 8	Unit 9	Unit 10	Unit 11	Unit 12
Unit 1	F											
Unit 2				P								
Unit 3												
Unit 4												
Unit 5		P										
Unit 6		P										
Unit 7			P									
Unit 8				P								
Unit 9					P							
Unit 10						F						
Unit 11							F					
Unit 12								P				
Unit 13								P				
Unit 14										P		
Unit 15											P	
Unit 16												
Unit 17												
Unit 18												
Unit 19												

### KEY

P - Partial Mapping (Some topics from the old unit appear in the new unit)

F - Full Mapping (Topics in old unit match new unit exactly or almost exactly)

## BTEC First Diploma in Vehicle Service and Technology (Old) / BTEC First Diploma in Vehicle Technology (New) - unit mapping in depth

New Units		Old Units		Mapping/Comments	
Number	Name	Number	Name		
Unit 1	Essential Working Practices in Vehicle Technology	Unit 1	Essential Working Practices	F	All topics in the old unit are included. <i>New unit content is more specific and detailed.</i>
Unit 2	Vehicle Electrical and Electronic Principles	Unit 4	Vehicle Electrical and Electronic Principles	P	<i>The 30 hr unit is more specific and detailed and focuses on basic principles. Structure of Microprocessor is replaced with function only. Further principles and applications included in the new 30hr Unit 8</i>
Unit 3	Engineering Skills for Vehicle Repair	-	-	-	This new unit does not relate to any of the units in the old specification. <i>Covers use of tools and equipment to measure, mark out, cut materials, threads and remove broken studs</i>
Unit 4	Vehicle Components Removal and Refitting Techniques	-	-	-	This new unit does not relate to any of the units in the old specification. <i>Covers use of dismantling tools, equipment and measuring instruments and removing and replacing vehicle components</i>
Unit 5	Vehicle Engine System Principles	Unit 2	Vehicle and Engine Systems	P	Old Unit 2 content is divided between the new 30hr Units 5 and 6. New content includes all the engine systems material found in old unit 2 <i>but is more specific and detailed</i>
Unit 6	Vehicle Layout and Operation of Vehicle Systems	Unit 2	Vehicle and Engine Systems	P	Old Unit 2 content is divided between the new 30hr Units 5 and 6. New content includes all the vehicle systems material found in old unit 2 <i>but is more specific and detailed</i>
Unit 7	Vehicle Fault Diagnosis	Unit 3	Fault Diagnosis	P	<i>New unit content is more specific and detailed. More emphasis is placed on Health and Safety, fault checking and diagnostic techniques. Alternative rectification strategies omitted</i>
Unit 8	Principles and Applications of Vehicle Electrical Systems and Components	Unit 4	Vehicle Electrical and Electronic Principles	P	The 30hr unit builds on the Principles found in new Unit 2 and applies them to vehicle electrical components and systems. <i>The more specific and detailed content now includes vehicle lighting and auxiliary component operation. The understanding of the function, operation and performance measurement of vehicle battery, alternator and starter systems is also necessary.</i>
Unit 9	Routine Vehicle Maintenance	Unit 5	Vehicle Repair and Servicing	P	<i>New unit content is more specific and detailed and continues to deal with the servicing of vehicles. New criteria (P5) specifies need to 'carry out adjustments...'</i>

New Units		Old Units		Mapping/Comments	
Number	Name	Number	Name		
Unit 10	Vehicle Science and Applied Mathematics	Unit 6	Vehicle Science and Applied Mathematics	F	Old unit content is included in the new <i>but is more specific and detailed.</i>
Unit 11	Vehicle Wheels, Tyres, Steering and Suspension Systems - Principles and Maintenance	Unit 7	Fast Fit Operations - Tyres and Suspension	F	Old unit content is included in the new unit <i>but is more specific and detailed.</i>
Unit 12	Vehicle Fitting Operations - Brakes Systems	Unit 8	Fast Fit Operations - Brakes and Exhaust Systems	P	<i>The more specific and detailed content</i> relates to the Brakes section only of old unit 8.
Unit 13	Vehicle Fitting Operations - Exhaust Systems	Unit 8	Fast Fit Operations - Brakes and Exhaust Systems	P	<i>The more specific and detailed content</i> relates to the Exhaust section only of old unit 8.
Unit 14	Non Welded Non-Structural Vehicle Body Repair Processes	Unit 10	Non Welded Non-Structural Body Repair Processes	P	<i>Content is more specific and detailed and now involves 4 Learning Outcomes. More emphasis placed on relevant Health and Safety practices, organisational procedures and customer requirements.</i>
Unit 15	Vehicle Body Preparation and Application of Foundation Materials	Unit 11	Processes for Preparation and Application of Foundation Materials	P	<i>Content is more specific and detailed. More emphasis is placed on relevant health and safety practices and organisational procedures. Some of the pass criteria require the learner to undertake practical task that involves preparation of panel and equipment and application of filler, stopper foundation and top coat to a panel.</i>
Unit 16	Vehicle Welding and Assembly Operations	-	-	-	This new unit does not relate to any of the units in the old specification. <i>Covers the use of joining techniques on a variety of metallic and non-metallic materials</i>
Unit 17	Vehicle Valeting	-	-	-	This new unit does not relate to any of the units in the old specification. <i>Covers preparing for and carrying out full exterior and interior vehicle valet, including hard and soft trim surfaces</i>
Unit 18	Motorsport Vehicle Inspection	-	-	-	This new unit does not relate to any of the units in the old specification. <i>Covers a range of techniques for pre-competition inspection of motorsport vehicles and for final inspection in the 'pit' area</i>
Unit 19	Stripping and Rebuilding Motorsport Engines	-	-	-	This new unit does not relate to any of the units in the old specification. <i>Covers the stripping and rebuilding of motorsport engines and the use of specialist tools and equipment</i>
-	-	Unit 12	e-Commerce		No new unit