

# FOUNDATION DIPLOMA (540GLH) IN ENGINEERING SAMPLE ONE YEAR DELIVERY PLAN



Clear unit planning and understanding of key deadlines are essential for a successful delivery programme. We have produced an example delivery plan showing how the BTEC National **Foundation Diploma** in Engineering could be delivered over **one** year(s), highlighting assessment milestones and indicating where you can teach units holistically

**This plan is intended to be used as guidance.**

**Key**

- R = Revision for external assessment
- EXT = External assessment
- SA = Summative assessment
- WEP = Work Experience placement

One externally-assessed unit (**Unit 1**) can be delivered over two semesters (Sept – Jun) enabling learners to form links with other units and to fully understand the unit content before undertaking the external assessment. Revision weeks are included to reaffirm learning. The second externally-assessed unit (**Unit 3**) can also be delivered over the two semesters, with revision weeks included throughout the year to reaffirm learning already undertaken. There are three weeks allocated for the undertaking of the external assessment.

**Unit 1** includes links to all units within the qualification and can be taught across the entire academic year; underpinning the other units covered in both semesters.

**Units 2, 3 and 4** provide an overview of engineering principles, processes and design; allowing learners to capture the essence of engineering and develop the skills required for employment within the engineering sector.

**Unit 10** can be delivered across the academic year; as learners progress through this unit they can draw on the skills developed in the rest of their course.

**Units 12 and 21** are taught across the second semester, providing learners a practical introduction to various aspects of engineering; from physical engineering systems in **Unit 12** to the testing of systems in **Unit 21**.

Learners must complete and achieve a minimum of a **PASS** in **Units 1, 2, 3 and 4**.

				Semester 1																					
Unit	Unit title	Guided learning hours	Ass'ment method	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
1	Engineering Principles	120	External								R		R								R				
2	Delivery of Engineering Processes Safely as a Team	60	Internal							SA								SA							SA
3	Engineering Product Design and Manufacture	120	Ext								R							R							R
4	Applied Commercial and Quality Principles in Engineering	60	Internal								SA						SA								SA
10	Computer Aided Design In Engineering	60	Internal												SA										
				Semester 2																					
Unit	Unit title	Guided learning hours	Ass'ment method	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	
1	Engineering Principles	120	External				R								R				R	R	EXT				
3	Engineering Product Design and Manufacture	120	External				R					R			R	EXT	EXT	EXT	Submit EXT						
10	Computer Aided Design In Engineering	60	Internal					SA													SA				
12	Pneumatic and Hydraulic Systems	60	Internal					SA								SA								SA	
21	Electronic Measurement and Testing of Circuits	60	Internal				SA					SA					SA						SA		
<b>Hours</b>		<b>540</b>																							