



Haydock High School Design Technology Department – WJEC Level 1/ 2 Engineering Learning Overview

Year 9	<u>1a</u>	<u>1b</u>	<u>2a</u>	<u>2b</u>	<u>3a</u>	<u>3b</u>
<u>Curriculum</u>	Materials Plaque design/manufacture Mock NEA Unit 1: Engineering Design Mock NEA Unit 2: Producing Engineering Products		Games controller redesign Mock NEA Unit 1: Engineering Design		LED Nightlight manufacture Mock NEA Unit 2: Producing Engineering Products	
<u>Assessment Point tests</u>	<u>Week beginning 18th November</u> Unit 3 LO2: Understanding properties of engineering materials.		<u>Week beginning 16th March</u> Unit 3 LO1: Understand effects of Engineering achievements.		<u>Week beginning 22nd June</u> Unit 3 LO4: Be able to solve engineering problems	
<u>Assessment point revision</u>	AC2.1: Describe properties required of materials for engineering products. AC2.2: Explain how materials are tested for properties. AC2.3: Select materials for purpose.		AC1.1: Describe engineering developments. AC1.2: Explain effects of engineering achievements. AC1.3: Explain how environmental issues affect engineering applications. Elements of LO2 will also be revisited.		AC4.1: Use mathematical techniques to for solving engineering problems. AC4.2: Convert between isometric sketches and 3 rd angle orthographic projections. AC4.3: Analyse situations for Engineering problems. AC4.4: Propose solutions in response to Engineering problems. Elements of LO1 & LO2 will also be revisited.	



Haydock High School Design Technology Department – WJEC Level 1/ 2 Engineering Learning Overview

Year 10	<u>1a</u>	<u>1b</u>	<u>2a</u>	<u>2b</u>	<u>3a</u>	<u>3b</u>
<u>Curriculum</u>	Mechanical Clock manufacture Mock NEA Unit 2: Producing Engineering Products		Pin Plug redesign Mock NEA Unit 1: Engineering Design		Phone Charger redesign NEA NEA Unit 1: Engineering Design	
<u>Assessment Point tests</u>	<u>Week beginning 11th November</u> Unit 3 LO3: Know forming processes		<u>Week beginning 10th February</u> Unit 3: Mock examination		<u>Week beginning 22nd June</u> Unit 3: External exam	
<u>Assessment point revision</u>	AC3.1: Describe engineering processes. AC3.2: Describe applications of engineering processes Elements of LO1, LO2 & LO4 will also be revisited.		Pupils will sit a formal mock examination in preparation for their official Unit 3 Examination in Term 3. Pupils should prepare by revising LO1, LO2, LO3 and LO4 – revision materials will be provided.		Pupils will sit their official Unit 3 Examination. Pupils should prepare by revising LO1, LO2, LO3 and LO4 – revision materials will be provided.	



Haydock High School Design Technology Department – WJEC Level 1/ 2 Engineering Learning Overview

Year 11	<u>1a</u>	<u>1b</u>	<u>2a</u>	<u>2b</u>	<u>3a</u>	<u>3b</u>
	Focus: Unit 2 required practical - Desk lamp NEA Unit 2: Producing Engineering Products		Focus: Unit 1/2 NEA Resits			
	Week Beginning: 30th September		Week Beginning: 25th November		Week Beginning: 9th March	
<u>Assessment Point tests</u>	<u>Focus</u> N/A		<u>Focus</u> - Unit 3: External exam (resit) – Mock examination. Date to be set externally		<u>Focus</u> - Unit 3: External exam (resit)Date to be set externally	
<u>Assessment point revision</u>	N/A		Pupils who did not meet the desired grade in their Unit 3 Examination in year 10 will sit a formal mock examination in preparation for their official Unit 3 Examination resit in Term 3. Pupils should prepare by revising LO1, LO2, LO3 and LO4 – revision materials will be provided.		Pupils who did not meet the desired grade in their Unit 3 Examination in year 10 will sit a Unit 3 Examination resit in Term 3. Pupils should prepare by revising LO1, LO2, LO3 and LO4 – revision materials will be provided.	