Cornwall Education Learning Trust

Curriculum Overview 2026-27

D&T

	HT							HT							X-mas						HT							Easter							HT						
Data Entry Deadlines							EVE										Assessment Weeks			Data															Asmt Week							Asmt. Week			Data			EVE	
Survey Windows									TEP Autumn Census															TEP Spring Census																		TEP Summer Census					
Week Beg.	31-Aug	7-Sep	14-Sep	21-Sep	28-Sep	5-Oct	12-Oct	2-Nov	9-Nov	16-Nov	23-Nov	30-Nov	7-Dec	14-Dec	4-Jan	11-Jan	18-Jan	25-Jan	1-Feb	8-Feb	22-Feb	1-Mar	8-Mar	15-Mar	22-Mar	12-Apr	19-Apr	26-Apr	3-May	10-May	17-May	24-May	7-Jun	14-Jun	21-Jun	28-Jun	5-Jul	12-Jul	19-Jul	
Year 7 (Class of 2031)	Remarkable Rockets Students will be looking at how different materials are used for different applications making designs based on this.							Remarkable Rockets Students will learn how to use a variety of hand tools and disk sander that will help them construct a product in accordance with their design brief.							Fantastic Fans Students will be looking at how different materials are used for different applicatcions making designs based on this.						Fantastic Fans Students will learn how to use a variety of hand tools and disk sander to help them construct a product in accordance with their design brief.							Fantastic Fans Students will build on their knowledge of their design so that they are thinking about aesthetics and how the product functions.							Fantastic Fans Students will complete their USB fan and evaluate it against their design brief.						CEW Week
Data Entry Deadlines															Assessment Weeks			Data		EVE																	Assessment Weeks			Data				
Survey Windows									TEP Autumn Census															TEP Spring Census																		TEP Summer Census					
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Year 8 (Class of 2030)	Terrific Trebuchets Students will be designing and carrying out a testing regime to find out how the specific set-up of a trebuchet arm affects factors such as its range and accuracy by varying the positions of the pivot, load and counterweight.							Terrific Trebuchets In this topic, students will need to assemble a counterweight box and glue it with PVA glue. Also, measure, mark and drill holes for the counterweight box and pivot points. They then design and carry out testing to find the optimum settings to propel a projectile to a distant target zone.							Making Time for Design Students will learn about different design styles. They will then use that knowledge to design a clock. In D&T, this design will be drawn up using 2-D Design so it can then be realised using a laser cutting machine.						Making Time for Design Students will use CAD and CAM to construct a clock face/housing in accordance with their design brief. They will also assemble and add a mechanism to form a fully functioning product.							Top-notch Torches Students will build on their knowledge of design ensuring that they incorporate ergonomics as well as aesthetics and how the product functions.							Top-notch Torches Students will use hand and machine tools whilst constructing a product in accordance with their design brief.						CEW Week
Data Entry Deadlines																	Assessment Weeks				Data		EVE															Assessment Weeks					Data		
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Year 9 (Class of 2029)	Mechanical Marvels Students use their design skills to think creatively about how to convert types of motion and how to create a balancing figure to demostrate the turning effect of forces and the use of counterweights.							Mechanical Marvels Students will use frames to demonstrate ideas on motion (types, directions and geared systems). Also, use all of their skills with tools and equipment to construct a balancing figure. This will include using a centre lathe to construct aluminium counterweights. The figure need to be accurately constructed making sure that it is within tolerance in order to function.							Pewter Products Students will be designing and building a relief project using pewter casting. Students will continue building on their knowledge of how to create more intricate designs but by using a variety of materials.						Pewter Products Students will be constructing a user-centred design based on using a mould where they will be designing, constructing and then refining.							Building Spaces for Nature Students will interpret a specification and implement a brief to devise a product that will help a teacher to teach their class about ecology							Building Spaces for Nature Students will build on their knowledge of how to use hand tools and contruction methods accurately by following a brief. They will be reminded of health and safety measures around using tools and equipment appropriately.						CEW Week
Data Entry Deadlines																							PPEs				Data		EVE														
Survey Windows									TEP Autumn Census															TEP Spring Census																		TEP Summer Census					
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YEAR 10 (Class of 2028)	New and Emerging Technologies Students study methods of design and production including ethics and sustainability							Mechanical Systems Students produce a mechanical system that can convert between different types of motion then study material properties across a range of traditional and modern/smart							NEA Intro Students develop their iterative design processing skills through a variety of material categories.						Materials Materials and their properties with a focus on wood and manufactured boards Students continue to develop practical skills with marking out, cutting and joining							Technical Drawings Students learn to sketch and develop different drawing techniques. They also learn about the scales of production and continue to develop practical skills with a variety of hand and machine							Design Process Investigating contexts and developing research skills.						CEW Week
Data Entry Deadlines			INFO							PPES				Data		EVE							PPE																			
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YEAR 11 (Class of 2027)	Unit 1 **Manufacturing Engineering Products Students learn how to interpret and understand engineering drawings and plan a sequence of operations using engineering tools and equipment. This is to produce a prototype product.**							Unit 1 PPEs							Unit 2 **Designing Engineering Products** Students learn to understand the function of engineered products and how they meet the							Exams Week						Unit 3 **Solving Engineering Problems Students learn to understand the effects of engineering achievements and the properties of engineering materials. They also**						GCSE Exams	GCSE Exams							