

Winter Term		
Week # Start Date	Lessons Left side number corresponds to weekly lessons (1 = first lesson of the week)	Homework Red is pre-lesson preparation Black is due 8pm Tuesday
1 09.09.24	1 Intro to the course 2 September Test – Summer Work 3 Core Concepts 1 4 Core Concepts 2	
2 16.09.24	1 Core Concepts 3 2 Core Concepts 4 3 Core Concepts 5 4 Core Concepts 6	Exercise 0 September Test Corrections
3 23.09.24 Fri: Induction Resit	1 Core Concepts 7 2 Timing Circuits 1, 2, 3 3 Timing Circuits Building: Capacitor charge/discharge 4 Timing 4	Timing 1, 2, 3 Timing 4 Exercises 2.1, 2.2, 2.3, 2.4 GCSE Basics 1 2.1, 2.2 Thevenin's Worksheet
4 30.09.24	1 Timing Circuits 5 2 Timing Circuits Building: 555 Monostable 3 October Test – Core Concepts 4 Timing Circuits 6	Timing 5 Timing 6 Exercises 2.5, 2.6 GCSE Basics 1 2.3, 2.4
5 07.10.24	1 Timing Circuits 7 2 Timing Circuits Building: 555 Astable 3 October Test Feedback 4 Timing Circuits Building: Schmitt Inverter Astable	Timing 7 Exercises 2.7 GCSE Basics 2 3.1, 3.2 October Test Corrections
6 14.10.24 ABT out	1 Logic 1 2 Logic 2 3 Logic Circuit Building 4 Logic 3	Logic 1, 2, 3 Exercises 1.1, 1.2, 1.3 GCSE Basics 2 3.3, 3.4
7 21.10.24 ABT out	1 Logic 4 2 Logic 6 3 Logic Circuit Building 4 Logic 5	Logic 4, 6, 5 Exercises 1.4, 1.6, 1.5 GCSE Basics 2 3.5 Basics 3 3.1
October Half Term		
8 04.11.24 Mon INSET ABT out	1 Logic 7 2 Flowcharts 1 3 Logic 8	Logic 7 Flowcharts 1 Logic 8 Exercises 1.7, 1.8 GCSE Timing 1.1, 1.2
9 11.11.24 Thurs PR Fri INSET ABT out	1 Logic 9, 10, 11 2 (Only D-block) Logic Circuit Building 3 (Only D-block) Logic Circuit Building 4 (Only D-block) Logic Circuit Building	Logic 9, 10, 11 Exercises 1.9, 1.10, 1.11 GCSE Flowchart 4.1 GCSE Timing 1.3, 1.4
10 18.11.24 ABT out	1 November Test – 50% Timing, 50% prior content 2 Logic 12 3 Flowcharts 2 4 Logic 13	Logic 12 Flowcharts 2 Logic 13 Exercises 1.12, 1.13 GCSE Timing 1.5
11 25.11.24 ABT out	1 Op-Amps 6: Comparators 2 November Test Feedback 3 Flowcharts 3 4 Op-Amps 1: Ideal V Real Op-Amps	Op-Amps 6 Flowcharts 3 Op-Amps 1 Exercises 4.6, 4.1 GCSE Flowchart 4.2 GCSE Logic 6.1, 6.2 November test corrections

12 02.12.24 ABT out	1 Op-Amps 3: Voltage Follower + Non-Inverting 2 Op-Amps Circuit Building 3 Flowcharts 4 4 Op-Amps 2: Inverting	Op-Amps 3 Flowcharts 4 Op-Amps 2 Exercises 4.3, 4.2 GCSE Logic 6.3, 6.4
13 09.12.24 ABT out	1 December Test – 50% Logic, 50% prior content 1 Op-Amps 4: Summing 3 Flowcharts 5 4 Op-Amps 5: Distortion	Op-Amps 4 Flowcharts 5 Op-Amps 5 Exercises 4.4, 4.5 GCSE Flowchart 4.3 GCSE Logic 6.5, 6.6
14 16.12.24 Term ends Weds ABT out	1 December Test Feedback 2 (Only D-block) Op-Amp Circuit Building 3 (Only D-block) Op-Amp Circuit Building 4 (Only D-block) Op-Amp Circuit Building	
Christmas Break		
Spring Term		
15 06.01.25	1 Op-Amp Circuit Building 2 Flowchart Coursework 1: Introduction and Plan 3 Sequential Logic 1 4 Sequential Logic Circuit Building: NAND Gate	Sequential Logic 1 Exercise 3.1 GCSE Op-Amps 1 5.1
16 13.01.25 Tues PR Day	1 January Test – 50% Op-Amps, 50% prior content 2 Flowcharts Coursework 2: Plan Feedback 3 Sequential Logic 2 4 (Only F-block) Sequential Logic Circuit Building	Flowchart C/W Plan Sequential Logic 2 Exercise 3.2 GCSE Op-Amps 1 5.3
17 20.01.25	1 January Test Feedback 2 Flowcharts Coursework 3: Development 3 Sequential Logic 3 4 Sequential Logic Circuit Building: Data Latch	Sequential Logic 3 Exercise 3.3 GCSE Op-Amps 1 5.4 January Test Corrections
18 27.01.25	1 Sequential Logic 4 2 Flowcharts Coursework 4: Development Feedback 3 Sequential Logic 5 4 Seq. Logic Circuit Building: Data Latch Counters	Sequential Logic 4 Flowchart C/W Development Sequential Logic 5 Exercises 3.4, 3.5 GCSE Op-Amps 1 5.5
19 03.02.25	1 Sequential Logic 6 and 7 2 Flowcharts Coursework 5: Realisation and Evaluation 3 Sequential Logic 8 4 Seq. Logic Circuit Building: Modulo-n	Sequential Logic 6 and 7 Sequential Logic 8 Exercises 3.6, 3.7, 3.8 GCSE Op-Amps 2 4.4
20 10.02.25	1 Semiconductors 1 and 2 2 Flowcharts C/W 6: Realisation and Evaluation Feedback 3 Semiconductors 3 4 Semiconductor Circuit Building: BJT	Semiconductors 1 and 2 F. C/W Realisation & Evaluation Semiconductors 3 Exercise 5.1, 5.2, 5.3 GCSE Sequential 2.1, 2.2
February Half Term		
Flowchart Coursework		
21 24.02.25 Mon INSET	1 Digital Coursework 1 2 Semiconductor 4 3 Digital Coursework 2	Semiconductors 4 Exercise 5.4 GCSE Sequential 2.3

22 03.03.25	1 February Test – 50% Sequential Logic, 50% prior content 2 Digital Coursework 2 3 Semiconductors 5 4 Digital Coursework 3	Semiconductors 5 Exercise 5.5 GCSE Sequential 2.4, 2.5
23 10.03.25	1 February Test Feedback 2 Digital Coursework 4 3 Power Supplies 1 4 Digital Coursework 5	Power Supplies 1 Exercise 7.1 GCSE Sequential 2.6 Block Diagrams
24 17.03.25	1 Digital Coursework 6 2 Digital Coursework 7 3 Power Supplies 2 4 Digital Coursework 8	Power Supplies 2 Exercise 7.2 GCSE Semiconductors 1 4.1, 4.2
25 24.03.25	1 March Test - 50% Semiconductors, 50% prior content 2 Digital Coursework 9 3 Power Supplies 3 4 Digital Coursework 10	Power Supplies 3 Exercise 7.3 GCSE Semiconductors 1 4.3 GCSE Semiconductors 2 3.2
26 31.03.25	1 March Test Feedback 2 Digital Coursework 11 3 Digital Coursework 12 4 Digital Coursework 13	GCSE Power Supplies 5.1
Easter		
Digital Coursework Old Spec 2016, 2017, 2018, 2019 ET1 and ET2		

Summer Term		
27 21.04.25 No Mon	1 Revision 1 2 Revision 2 3 Revision 3	
28 28.04.25	1 April Test – 50% Power Supplies, 50% prior content 2 Revision 4 3 Revision 5	AS Sample Paper
29 05.05.25 Mon Bank Holiday	1 April Test Feedback 2 Revision 6 3 Revision 7	AS 2018 Paper
30 6.5.24 Mon Study Leave 16:15	1 Revision 8 Electronics Transfer Exam	AS 2019 Paper
31 13.5.24	Transfer Exams	
May Half Term		
32 02.06.25	WEX Week	
33 09.6.24	1 Passive Filters 1: Ideal Passive Filters 2 Microcontrollers 1 3 Passive Filters 2: Low and High Passive Filters 4 Microcontrollers 2	Microcontrollers 1, 2 Passive Filters 1, 2 Exercises 4.1 Exercise 3.1
34 16.6.25 Tues 2A Enrolment	1 Passive Filters 3: Band-Pass Filters 2 Microcontrollers 3 3 Circuit Building 4 Microcontrollers 4	Microcontrollers 3, 4 Passive Filters 3 Exercises 4.2, 4.3
35 23.06.25 Fri Festival of Science	1 Microcontrollers 5 2 Further Sequential Logic 1 3 Microcontrollers 6	Microcontrollers 5, 6 Further Sequential Logic 1 Exercises 4.4, 4.5 Exercise 3.2
36 30.06.25 Mon WD Tues WD	1 Further Sequential Logic 2 2 PIC Coursework 1: Planning 3 (Only F-Block) Extra Circuit Building Time	PIC Coursework 1: Planning Further Sequential Logic 2 Exercise 1.1
37 07.07.25 Fri INSET	1 Further Sequential Logic 3 2 PIC Coursework 2: Development 3 Further Sequential Logic 4	PIC C/W 2: Development Further Sequential Logic 3, 4 Exercises 1.2, 1.3
Summer		