

Diploma Computer Science :: Lesson schedule :: 2025-2027

Date	Wk	Topic	Lesson
19/08/2025	2	B2: Programming	Hello world
19/08/2025	2	B2: Programming	Numeric types
22/08/2025	2	B2: Programming	String types
25/08/2025	3	B2: Programming	Arrays / lists
27/08/2025	3	B2: Programming	Arrays / lists
28/08/2025	3	B2: Programming	Sequence / selection
29/08/2025	3	B2: Programming	Repetition
02/09/2025	4	B2: Programming	Repetition
02/09/2025	4	B2: Programming	Functions
05/09/2025	4	B2: Programming	Exceptions & debugging
08/09/2025	5	B2: Programming	Stacks
10/09/2025	5	B2: Programming	Queues
11/09/2025	5	B2: Programming	Big O
12/09/2025	5	B2: Programming	Search algorithms
16/09/2025	6	B2: Programming	Search algorithms
16/09/2025	6	B2: Programming	Sort algorithms
19/09/2025	6	B2: Programming	Sort algorithms
22/09/2025	7	B2: Programming HL	Recursion
24/09/2025	7	B2: Programming HL	Recursion
25/09/2025	7	B2: Programming HL	Recursion
26/09/2025	7	B2: Programming	Files
30/09/2025	8	B2: Programming	Practice
30/09/2025	8	B2: Programming	Practice
03/10/2025	8	B2: Programming	Practice
October break			
13/10/2025	9		No lesson - Staff day
15/10/2025	9		No lesson - Swimming gala
16/10/2025	9	B2: Programming	ASSESSMENT
17/10/2025	9	B3: OOP	Introducing OOP
21/10/2025	10	B3: OOP	Designing classes
21/10/2025	10	B3: OOP	Instantiating
24/10/2025	10	B3: OOP	Encapsulation
27/10/2025	11	B3: OOP	Static / non-static
29/10/2025	11		No lesson - Chung Yeung festival
30/10/2025	11	B3: OOP	Exercises
31/10/2025	11	B3: OOP	Exercises
04/11/2025	12	B3: OOP HL	Inheritance
04/11/2025	12	B3: OOP HL	Polymorphism
07/11/2025	12	B3: OOP HL	Abstract classes
Explorer week			
17/11/2025	13	B3: OOP HL	Composition & aggregation
19/11/2025	13	B3: OOP HL	Design patterns
20/11/2025	13	B3: OOP HL	Exercises
21/11/2025	13	B3: OOP HL	Exercises
25/11/2025	14	B3: OOP HL	Exercises
25/11/2025	14	B3: OOP HL	Exercises
28/11/2025	14	B3: OOP	Review
01/12/2025	15	B3: OOP	Review
03/12/2025	15	B3: OOP	ASSESSMENT
04/12/2025	15		Buffer
05/12/2025	15		Buffer
09/12/2025	16		Buffer
09/12/2025	16		Buffer
12/12/2025	16		Buffer

Winter break			
05/01/2026	17	B4: ADT HL	Introducing ADTs
07/01/2026	17	B4: ADT HL	Linked lists
08/01/2026	17	B4: ADT HL	Linked lists
09/01/2026	17	B4: ADT HL	Linked lists
13/01/2026	18	B4: ADT HL	Binary search trees
13/01/2026	18	B4: ADT HL	Binary search trees
16/01/2026	18	B4: ADT HL	Binary search trees
19/01/2026	19	B4: ADT HL	Sets
21/01/2026	19	B4: ADT HL	Sets
22/01/2026	19	B4: ADT HL	Sets
23/01/2026	19	B4: ADT HL	Hashmaps
27/01/2026	20	B4: ADT HL	Hashmaps
27/01/2026	20	B4: ADT HL	Hashmaps
30/01/2026	20	B4: ADT HL	Exercises
02/02/2026	21	B4: ADT HL	Exercises
04/02/2026	21	B4: ADT HL	Review
05/02/2026	21	B4: ADT HL	Review
06/02/2026	21	B4: ADT HL	Review
10/02/2026	22	B4: ADT HL	ASSESSMENT
10/02/2026	22		Buffer
13/02/2026	22		Buffer
CNY break			
23/02/2026	23		No lesson - CPD day
25/02/2026	23	A2: Databases	Fundamentals
26/02/2026	23	A2: Databases	Schemas and types
27/02/2026	23	A2: Databases	Entity relationship diagrams
03/03/2026	24	A2: Databases	Normalisation
03/03/2026	24	A2: Databases	3rd normal form
06/03/2026	24	A2: Databases	SQL introduction
09/03/2026	25	A2: Databases	SQL joins
11/03/2026	25	A2: Databases	SQL update, insert
12/03/2026	25	A2: Databases HL	SQL aggregate functions
13/03/2026	25	A2: Databases HL	SQL views
17/03/2026	26	A2: Databases HL	SQL transactions
17/03/2026	26	A2: Databases HL	NoSQL, warehousing
20/03/2026	26	A2: Databases HL	Mining, distributed databases
23/03/2026	27	A2: Databases	SQL practical
25/03/2026	27	A2: Databases	Review
26/03/2026	27	A2: Databases	Review
27/03/2026	27		Buffer

April break			
14/04/2026	28		No lesson - Timed assessments
14/04/2026	28		No lesson - Timed assessments
17/04/2026	28		No lesson - Timed assessments
20/04/2026	29	Exam review	Exam feedback and reflection
22/04/2026	29	Internal assessment	Introduction
23/04/2026	29	Internal assessment	Proposal
24/04/2026	29	Internal assessment	Crit A: Scenario & context
28/04/2026	30	Internal assessment	Crit A: Success criteria
28/04/2026	30	Internal assessment	Crit A: Finalise - Submit progress Crit A
01/05/2026	30	Internal assessment	Crit B: Decomposition
04/05/2026	31	Internal assessment	Crit B: Planning - Submit progress Crit B
06/05/2026	31	Internal assessment	Crit C: UX diagram
07/05/2026	31	Internal assessment	Crit C: Flowcharts
08/05/2026	31	Internal assessment	Crit C: UML
12/05/2026	32	Internal assessment	Crit C: Test plan
12/05/2026	32	Internal assessment	Crit C: Other diagrams
15/05/2026	32	Internal assessment	Crit C: Other diagrams - Submit progress Crit A, B, C
18/05/2026	33	Internal assessment	Programming - Phase 1 Core
20/05/2026	33	Internal assessment	Programming - Phase 1 Core
21/05/2026	33	Internal assessment	Programming - Phase 1 Core
22/05/2026	33	Internal assessment	Programming - Phase 1 Core
26/05/2026	34	Internal assessment	Programming - Phase 1 Core
26/05/2026	34	Internal assessment	Programming - Phase 1 Core - Checkpoint 1
29/05/2026	34	Internal assessment	Programming - Phase 2 MVP
01/06/2026	35	Internal assessment	Programming - Phase 2 MVP
03/06/2026	35	Internal assessment	Programming - Phase 2 MVP
04/06/2026	35	Internal assessment	Programming - Phase 2 MVP
05/06/2026	35	Internal assessment	Programming - Phase 2 MVP
09/06/2026	36	Internal assessment	Programming - Phase 2 MVP
09/06/2026	36	Internal assessment	Programming - Phase 2 MVP - Checkpoint 2
12/06/2026	36	Internal assessment	Programming - Phase 3 Features
15/06/2026	37	Internal assessment	Programming - Phase 3 Features
17/06/2026	37	Internal assessment	Programming - Phase 3 Features
18/06/2026	37	Internal assessment	Programming - Phase 3 Features
19/06/2026	37	Internal assessment	Programming - Phase 3 Features
23/06/2026	38	Internal assessment	Programming - Phase 3 Features
23/06/2026	38	Internal assessment	Programming - Phase 3 Features - Checkpoint 3
26/06/2026	38	Internal assessment	Programming - Phase 3 Features

Summer break		
Complete programming the Internal assessment Produce and submit draft all criteria		
2	A1: Comp fundamentals	CPU components
2	A1: Comp fundamentals	Primary & secondary memory
2	A1: Comp fundamentals	Fetch / decode / execute
3	A1: Comp fundamentals HL	GPU
3	A1: Comp fundamentals HL	Pipelining
3	A1: Comp fundamentals	Compression
3	A1: Comp fundamentals	Cloud computing
4	A1: Comp fundamentals	Binary systems
4	A1: Comp fundamentals	Binary systems
4	A1: Comp fundamentals	Boolean logic
5	A1: Comp fundamentals	Boolean logic
5	A1: Comp fundamentals	Boolean logic
5	A1: Comp fundamentals	Boolean logic
5	A1: Comp fundamentals	Operating systems
6	A1: Comp fundamentals	Operating systems
6	A1: Comp fundamentals	Operating systems
6	A1: Comp fundamentals	Control systems
7	A1: Comp fundamentals	Control systems
7	A1: Comp fundamentals HL	Translation
7	A1: Comp fundamentals	Review
7	A1: Comp fundamentals	ASSESSMENT
8	A4: Machine learning	Types of machine learning
8	A4: Machine learning	ML hardware
8	A4: Machine learning HL	Pre-processing
October break (approximate)		
9	A4: Machine learning HL	Linear regression
9	A4: Machine learning HL	Classification
9	A4: Machine learning HL	Hyper parameters
9	A4: Machine learning HL	Clustering
10	A4: Machine learning HL	Association rule
10	A4: Machine learning HL	Reinforcement learning
10	A4: Machine learning HL	Genetic algorithms
11	A4: Machine learning HL	Artificial neural networks
11	A4: Machine learning HL	Artificial neural networks
11	A4: Machine learning HL	Convolutional neural networks
11	A4: Machine learning HL	Convolutional neural networks
12	A4: Machine learning	Selecting machine learning models
12	A4: Machine learning	Ethics of machine learning
12	A4: Machine learning	Ethics of machine learning
Explorer week (approximate)		
13	A4: Machine learning	ASSESSMENT
13	A2: Networks	Network types
13	A2: Networks	Network devices & media
13	A2: Networks	Topologies
14	A2: Networks	Protocols
14	A2: Networks	TCP/IP
14	A2: Networks	Servers
15	A2: Networks	Practical
15	A2: Networks	IPv4 / IPv6
15	A2: Networks	Switching and routing
15	A2: Networks	Firewalls
16	A2: Networks HL	Vulnerabilities
16	A2: Networks HL	Countermeasures
16	A2: Networks	Encryption

Winter break (approximate)		
17		MOCK EXAMS
17		MOCK EXAMS
17		MOCK EXAMS
17		MOCK EXAMS
18		MOCK EXAMS
18		MOCK EXAMS
18	Case study	Introducing the case study
19	Case study	Understanding the text (terminology)
19	Case study	Understanding the text (terminology)
19	Case study	Understanding the technology
19	Case study	Understanding the technology
20	Case study	Understanding the technology
20	Case study	Challenge 1
20	Case study	Challenge 1
21	Case study	Challenge 2
21	Case study	Challenge 2
21	Case study HL	Challenge 3
21	Case study HL	Challenge 3
22	Case study HL	Challenge 4
22	Case study HL	Challenge 4
22		Buffer
CNY break (approximate)		
23	Case study HL	Challenge 5
23	Case study HL	Challenge 5
23	Case study	Exam practice questions - Challenge 1
23	Case study	Exam practice questions - Challenge 2
24	Case study	Exam practice questions - Challenge 3
24	Case study	Exam practice questions - Challenge 4
24	Case study	Exam practice questions - Challenge 5
25		Buffer
25		Buffer
25		Buffer
25		Buffer
26	Review	Review
26	Review	Review
26	Review	Review
27	Review	Review
27	Review	Review
27	Review	Review
27	Review	Review
End of course		