Planner 2020-2021 Y10

Lesson number	Class 1	Class 2	Unit	Lesson name
1	Wed 19 Aug	Tue 18 Aug	Programming	Intro, hello world
2	Thu 20 Aug	Thu 20 Aug	Programming	Data types, variables, numbers
3	Mon 24 Aug	Fri 21 Aug	Programming	Numbers
4	Tue 25 Aug	Tue 25 Aug	Programming	Strings, casting, string operations
5	Fri 28 Aug	Fri 28 Aug	Programming	Truthiness, if/elif/else
6	Wed 02 Sep	Tue 01 Sep	Programming	Truthiness, if/elif/else
7	Thu 03 Sep	Thu 03 Sep	Programming	While, for in range()
8	Mon 07 Sep	Fri 04 Sep	Programming	While, for in range()
9	Tue 08 Sep	Tue 08 Sep	Programming	Quiz
10	Fri 11 Sep	Fri 11 Sep	Programming	Lists, list manipulation, list looping
11	Wed 16 Sep	Tue 15 Sep	Programming	Lists, list manipulation, list looping
12	Thu 17 Sep	Thu 17 Sep	Programming	Lists, list manipulation, list looping
13	Mon 21 Sep	Fri 18 Sep	Programming	Functions
14	Tue 22 Sep	Tue 22 Sep	Programming	Functions
15	Fri 25 Sep	Fri 25 Sep	Programming	Exceptions
16	Wed 30 Sep	Tue 29 Sep	Programming	Exceptions
17	Tue 06 Oct	Tue 06 Oct	Programming	Read/write files (text files, pickle)
18	Fri 09 Oct	Fri 09 Oct	Programming	Read/write files (text files, pickle)
19	Wed 14 Oct	Tue 13 Oct	Programming	Quiz
20	Thu 15 Oct	Thu 15 Oct		(buffer)
21	Tue 27 Oct	Fri 16 Oct	Computational thinking	Introduction to computational thinking
22	Fri 30 Oct	Tue 27 Oct	Computational thinking	Systems & algorithms
23	Wed 04 Nov	Fri 30 Oct	Computational thinking	Reading pseudo code
24	Thu 05 Nov	Tue 03 Nov	Computational thinking	Tracing pseudo code & trace tables
25	Mon 09 Nov	Thu 05 Nov	Computational thinking	Tracing pseudo code & trace tables
26	Tue 10 Nov	Fri 06 Nov	Computational thinking	Flow charts & trace tables
27	Fri 13 Nov	Tue 10 Nov	Computational thinking	Flow charts & trace tables
28	Wed 25 Nov	Fri 13 Nov	Computational thinking	Testing algorithms
29	Thu 26 Nov	Tue 24 Nov	Computational thinking	Validation checks 1
30	Mon 30 Nov	Thu 26 Nov	Computational thinking	Validation checks 1
31	Tue 01 Dec	Fri 27 Nov	Computational thinking	Validation checks 1
32	Fri 04 Dec	Tue 01 Dec	Computational thinking	Verification checks
33	Wed 09 Dec	Fri 04 Dec	Computational thinking	Mini task - Intro, develop pseudo code or flow chart
34	Thu 10 Dec	Tue 08 Dec	Computational thinking	Mini task - Test algorithm with trace table

35	Mon 04 Jan	Thu 10 Dec	Computational thinking	Mini task - Write Python (part 1)
36	Tue 05 Jan	Fri 11 Dec	Computational thinking	Mini task - Write Python (part 2)
37	Fri 08 Jan	Tue 05 Jan	Computational thinking	Mini task - Write Python (part 3)
38	Wed 13 Jan	Fri 08 Jan	Computational thinking	Mini task - Finalise, submit
39	Thu 14 Jan	Tue 12 Jan	Computational thinking	Quiz
40	Mon 18 Jan	Thu 14 Jan		(buffer)
41	Tue 19 Jan	Fri 15 Jan	Logic & numbers	Logic gates. Circuits to truth tables
42	Fri 22 Jan	Tue 19 Jan	Logic & numbers	Equations to circuits
43	Wed 27 Jan	Fri 22 Jan	Logic & numbers	Solving written problems
44	Thu 28 Jan	Tue 26 Jan	Logic & numbers	Solving written problems
45	Mon 01 Feb	Thu 28 Jan	Logic & numbers	Binary numbers. Converting binary <-> decimal
46	Tue 02 Feb	Fri 29 Jan	Logic & numbers	Hexadecimal numbers. Converting hex <-> binary
47	Fri 05 Feb	Tue 02 Feb	Logic & numbers	Converting hex <-> decimal. Review
48	Wed 10 Feb	Fri 05 Feb	Logic & numbers	Numbers quiz
49	Mon 22 Feb	Tue 09 Feb		(buffer)
50	Tue 23 Feb	Tue 23 Feb	I/O Hardware	Input & output devices intro
51	Fri 26 Feb	Fri 26 Feb	I/O Hardware	Research
52	Wed 03 Mar	Tue 02 Mar	I/O Hardware	Research
53	Thu 04 Mar	Thu 04 Mar	I/O Hardware	Research
54	Mon 08 Mar	Fri 05 Mar	I/O Hardware	Present
55	Tue 09 Mar	Tue 09 Mar	I/O Hardware	Present
56	Fri 12 Mar	Fri 12 Mar	I/O Hardware	Sensors practical
57	Wed 17 Mar	Tue 16 Mar	I/O Hardware	Sensors practical
58	Thu 18 Mar	Thu 18 Mar	I/O Hardware	Sensors practical
59	Mon 22 Mar	Fri 19 Mar	I/O Hardware	Sensors practical
60	Tue 23 Mar	Tue 23 Mar	I/O Hardware	Sensors practical
61	Fri 26 Mar	Fri 26 Mar	I/O Hardware	Quiz
62	Wed 14 Apr	Tue 13 Apr		(buffer)
63	Thu 15 Apr	Thu 15 Apr	Computational thinking	Mini task - Intro, develop pseudo code or flow chart
64	Mon 19 Apr	Fri 16 Apr	Computational thinking	Mini task - Test algorithm with trace table
65	Tue 20 Apr	Tue 20 Apr	Computational thinking	Mini task - Write Python (part 1)
66	Fri 23 Apr	Fri 23 Apr	Computational thinking	Mini task - Write Python (part 2)
67	Wed 28 Apr	Tue 27 Apr	Computational thinking	Mini task - Write Python (part 3)
68	Thu 29 Apr	Thu 29 Apr	Computational thinking	Mini task - Finalise, submit
69	Mon 03 May	Fri 30 Apr		(buffer)

70	Tue 04 May	Tue 04 May	Computer architecture	Memory & storage media
71	Fri 07 May	Fri 07 May	Computer architecture	Memory & storage medic calculations
72	Wed 12 May	Tue 11 May	Computer architecture	High & low level languages; compilers; assembler
73	Thu 13 May	Thu 13 May	Computer architecture	Operating systems; interrupts
74	Mon 17 May	Fri 14 May	Computer architecture	Compression
75	Tue 18 May	Tue 18 May	Computer architecture	Compression
76	Fri 21 May	Fri 21 May	Computer architecture	Quiz
77	Wed 26 May	Tue 25 May		(buffer)
78	Thu 27 May	Thu 27 May	Computational thinking	Mini task - Intro, develop pseudo code or flow chart
79	Mon 31 May	Fri 28 May	Computational thinking	Mini task - Test algorithm with trace table
80	Tue 01 Jun	Tue 01 Jun	Computational thinking	Mini task - Write Python (part 1)
81	Fri 04 Jun	Fri 04 Jun	Computational thinking	Mini task - Write Python (part 2)
82	Wed 09 Jun	Tue 08 Jun	Computational thinking	Mini task - Write Python (part 3)
83	Thu 10 Jun	Thu 10 Jun	Computational thinking	Mini task - Finalise, submit
84	Tue 15 Jun	Fri 11 Jun		(buffer)
85	Fri 18 Jun	Tue 15 Jun		(buffer)
86	Wed 23 Jun	Fri 18 Jun		(buffer)
87	Thu 24 Jun	Tue 22 Jun		(buffer)
88		Thu 24 Jun		
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