



Bishop Stopford's School

Curriculum Map Year 11 Computer Science
 Curriculum Intent: To inspire every student to engage in lessons and want to explore the curriculum beyond the classroom

Unit of work	Autumn 1		Autumn 2		Spring 1		Spring 2		Summer 1		Summer 2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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Objectives	Lesson	Topic	Learning Objectives	1.1	1.1.1 Introduction to Computer Science	1.1.1.1 Explain the role of computer science in society	2.1	2.1.1 Introduction to Computer Science	2.1.1.1 Explain the role of computer science in society	1.2	1.1.2 Data Representation	1.1.2.1 Explain how data is represented in a computer system	2.2	2.1.2 Threats to computer systems and networks	2.2.1 Defensive design	1.3	1.1.3 Data Storage	1.1.3.1 Explain how data is stored in a computer system	2.3	2.1.3 Identifying and preventing vulnerabilities	2.3.1 Defensive design	1.4	1.1.4 Data Security	1.1.4.1 Explain how data is protected in a computer system	2.4	2.1.4 Operating systems	2.4.1 Defensive design	1.5	1.1.5 Data Protection	1.1.5.1 Explain how data is protected in a computer system	2.5	2.1.5 Testing	2.5.1 Defensive design	1.6	1.1.6 Data Backup	1.1.6.1 Explain how data is backed up in a computer system	2.6	2.1.6 Utility software	2.6.1 Testing	1.7	1.1.7 Data Archiving	1.1.7.1 Explain how data is archived in a computer system	2.7	2.1.7 Utility software	2.7.1 Testing	1.8	1.1.8 Data Migration	1.1.8.1 Explain how data is migrated in a computer system	2.8	2.1.8 Utility software	2.8.1 Testing	1.9	1.1.9 Data Recovery	1.1.9.1 Explain how data is recovered in a computer system	2.9	2.1.9 Utility software	2.9.1 Testing	1.10	1.1.10 Data Archiving	1.1.10.1 Explain how data is archived in a computer system	2.10	2.1.10 Utility software	2.10.1 Testing	1.11	1.1.11 Data Archiving	1.1.11.1 Explain how data is archived in a computer system	2.11	2.1.11 Utility software	2.11.1 Testing	1.12	1.1.12 Data Archiving	1.1.12.1 Explain how data is archived in a computer system	2.12	2.1.12 Utility software	2.12.1 Testing	1.13	1.1.13 Data Archiving	1.1.13.1 Explain how data is archived in a computer system	2.13	2.1.13 Utility software	2.13.1 Testing	1.14	1.1.14 Data Archiving	1.1.14.1 Explain how data is archived in a computer system	2.14	2.1.14 Utility software	2.14.1 Testing	1.15	1.1.15 Data Archiving	1.1.15.1 Explain how data is archived in a computer system	2.15	2.1.15 Utility software	2.15.1 Testing	1.16	1.1.16 Data Archiving	1.1.16.1 Explain how data is archived in a computer system	2.16	2.1.16 Utility software	2.16.1 Testing	1.17	1.1.17 Data Archiving	1.1.17.1 Explain how data is archived in a computer system	2.17	2.1.17 Utility software	2.17.1 Testing	1.18	1.1.18 Data Archiving	1.1.18.1 Explain how data is archived in a computer system	2.18	2.1.18 Utility software	2.18.1 Testing	1.19	1.1.19 Data Archiving	1.1.19.1 Explain how data is archived in a computer system	2.19	2.1.19 Utility software	2.19.1 Testing	1.20	1.1.20 Data Archiving	1.1.20.1 Explain how data is archived in a computer system	2.20	2.1.20 Utility software	2.20.1 Testing	1.21	1.1.21 Data Archiving	1.1.21.1 Explain how data is archived in a computer system	2.21	2.1.21 Utility software	2.21.1 Testing	1.22	1.1.22 Data Archiving	1.1.22.1 Explain how data is archived in a computer system	2.22	2.1.22 Utility software	2.22.1 Testing	1.23	1.1.23 Data Archiving	1.1.23.1 Explain how data is archived in a computer system	2.23	2.1.23 Utility software	2.23.1 Testing	1.24	1.1.24 Data Archiving	1.1.24.1 Explain how data is archived in a computer system	2.24	2.1.24 Utility software	2.24.1 Testing	1.25	1.1.25 Data Archiving	1.1.25.1 Explain how data is archived in a computer system	2.25	2.1.25 Utility software	2.25.1 Testing	1.26	1.1.26 Data Archiving	1.1.26.1 Explain how data is archived in a computer system	2.26	2.1.26 Utility software	2.26.1 Testing	1.27	1.1.27 Data Archiving	1.1.27.1 Explain how data is archived in a computer system	2.27	2.1.27 Utility software	2.27.1 Testing	1.28	1.1.28 Data Archiving	1.1.28.1 Explain how data is archived in a computer system	2.28	2.1.28 Utility software	2.28.1 Testing	1.29	1.1.29 Data Archiving	1.1.29.1 Explain how data is archived in a computer system	2.29	2.1.29 Utility software	2.29.1 Testing	1.30	1.1.30 Data Archiving	1.1.30.1 Explain how data is archived in a computer system	2.30	2.1.30 Utility software	2.30.1 Testing	1.31	1.1.31 Data Archiving	1.1.31.1 Explain how data is archived in a computer system	2.31	2.1.31 Utility software	2.31.1 Testing	1.32	1.1.32 Data Archiving	1.1.32.1 Explain how data is archived in a computer system	2.32	2.1.32 Utility software	2.32.1 Testing	1.33	1.1.33 Data Archiving	1.1.33.1 Explain how data is archived in a computer system	2.33	2.1.33 Utility software	2.33.1 Testing	1.34	1.1.34 Data Archiving	1.1.34.1 Explain how data is archived in a computer system	2.34	2.1.34 Utility software	2.34.1 Testing	1.35	1.1.35 Data Archiving	1.1.35.1 Explain how data is archived in a computer system	2.35	2.1.35 Utility software	2.35.1 Testing	1.36	1.1.36 Data Archiving	1.1.36.1 Explain how data is archived in a computer system	2.36	2.1.36 Utility software	2.36.1 Testing	1.37	1.1.37 Data Archiving	1.1.37.1 Explain how data is archived in a computer system	2.37	2.1.37 Utility software	2.37.1 Testing	1.38	1.1.38 Data Archiving	1.1.38.1 Explain how data is archived in a computer system	2.38	2.1.38 Utility software	2.38.1 Testing	1.39	1.1.39 Data Archiving	1.1.39.1 Explain how data is archived in a computer system	2.39	2.1.39 Utility software	2.39.1 Testing	1.40	1.1.40 Data Archiving	1.1.40.1 Explain how data is archived in a computer system	2.40	2.1.40 Utility software	2.40.1 Testing	1.41	1.1.41 Data Archiving	1.1.41.1 Explain how data is archived in a computer system	2.41	2.1.41 Utility software	2.41.1 Testing	1.42	1.1.42 Data Archiving	1.1.42.1 Explain how data is archived in a computer system	2.42	2.1.42 Utility software	2.42.1 Testing	1.43	1.1.43 Data Archiving	1.1.43.1 Explain how data is archived in a computer system	2.43	2.1.43 Utility software	2.43.1 Testing	1.44	1.1.44 Data Archiving	1.1.44.1 Explain how data is archived in a computer system	2.44	2.1.44 Utility software	2.44.1 Testing	1.45	1.1.45 Data Archiving	1.1.45.1 Explain how data is archived in a computer system	2.45	2.1.45 Utility software	2.45.1 Testing	1.46	1.1.46 Data Archiving	1.1.46.1 Explain how data is archived in a computer system	2.46	2.1.46 Utility software	2.46.1 Testing	1.47	1.1.47 Data Archiving	1.1.47.1 Explain how data is archived in a computer system	2.47	2.1.47 Utility software	2.47.1 Testing	1.48	1.1.48 Data Archiving	1.1.48.1 Explain how data is archived in a computer system	2.48	2.1.48 Utility software	2.48.1 Testing	1.49	1.1.49 Data Archiving	1.1.49.1 Explain how data is archived in a computer system	2.49	2.1.49 Utility software	2.49.1 Testing	1.50	1.1.50 Data Archiving	1.1.50.1 Explain how data is archived in a computer system	2.50	2.1.50 Utility software	2.50.1 Testing	1.51	1.1.51 Data Archiving	1.1.51.1 Explain how data is archived in a computer system	2.51	2.1.51 Utility software	2.51.1 Testing	1.52	1.1.52 Data Archiving	1.1.52.1 Explain how data is archived in a computer system	2.52	2.1.52 Utility software	2.52.1 Testing	1.53	1.1.53 Data Archiving	1.1.53.1 Explain how data is archived in a computer system	2.53	2.1.53 Utility software	2.53.1 Testing	1.54	1.1.54 Data Archiving	1.1.54.1 Explain how data is archived in a computer system	2.54	2.1.54 Utility software	2.54.1 Testing	1.55	1.1.55 Data Archiving	1.1.55.1 Explain how data is archived in a computer system	2.55	2.1.55 Utility software	2.55.1 Testing	1.56	1.1.56 Data Archiving	1.1.56.1 Explain how data is archived in a computer system	2.56	2.1.56 Utility software	2.56.1 Testing	1.57	1.1.57 Data Archiving	1.1.57.1 Explain how data is archived in a computer system	2.57	2.1.57 Utility software	2.57.1 Testing	1.58	1.1.58 Data Archiving	1.1.58.1 Explain how data is archived in a computer system	2.58	2.1.58 Utility software	2.58.1 Testing	1.59	1.1.59 Data Archiving	1.1.59.1 Explain how data is archived in a computer system	2.59	2.1.59 Utility software	2.59.1 Testing	1.60	1.1.60 Data Archiving	1.1.60.1 Explain how data is archived in a computer system	2.60	2.1.60 Utility software	2.60.1 Testing	1.61	1.1.61 Data Archiving	1.1.61.1 Explain how data is archived in a computer system	2.61	2.1.61 Utility software	2.61.1 Testing	1.62	1.1.62 Data Archiving	1.1.62.1 Explain how data is archived in a computer system	2.62	2.1.62 Utility software	2.62.1 Testing	1.63	1.1.63 Data Archiving	1.1.63.1 Explain how data is archived in a computer system	2.63	2.1.63 Utility software	2.63.1 Testing	1.64	1.1.64 Data Archiving	1.1.64.1 Explain how data is archived in a computer system	2.64	2.1.64 Utility software	2.64.1 Testing	1.65	1.1.65 Data Archiving	1.1.65.1 Explain how data is archived in a computer system	2.65	2.1.65 Utility software	2.65.1 Testing	1.66	1.1.66 Data Archiving	1.1.66.1 Explain how data is archived in a computer system	2.66	2.1.66 Utility software	2.66.1 Testing	1.67	1.1.67 Data Archiving	1.1.67.1 Explain how data is archived in a computer system	2.67	2.1.67 Utility software	2.67.1 Testing	1.68	1.1.68 Data Archiving	1.1.68.1 Explain how data is archived in a computer system	2.68	2.1.68 Utility software	2.68.1 Testing	1.69	1.1.69 Data Archiving	1.1.69.1 Explain how data is archived in a computer system	2.69	2.1.69 Utility software	2.69.1 Testing	1.70	1.1.70 Data Archiving	1.1.70.1 Explain how data is archived in a computer system	2.70	2.1.70 Utility software	2.70.1 Testing	1.71	1.1.71 Data Archiving	1.1.71.1 Explain how data is archived in a computer system	2.71	2.1.71 Utility software	2.71.1 Testing	1.72	1.1.72 Data Archiving	1.1.72.1 Explain how data is archived in a computer system	2.72	2.1.72 Utility software	2.72.1 Testing	1.73	1.1.73 Data Archiving	1.1.73.1 Explain how data is archived in a computer system	2.73	2.1.73 Utility software	2.73.1 Testing	1.74	1.1.74 Data Archiving	1.1.74.1 Explain how data is archived in a computer system	2.74	2.1.74 Utility software	2.74.1 Testing	1.75	1.1.75 Data Archiving	1.1.75.1 Explain how data is archived in a computer system	2.75	2.1.75 Utility software	2.75.1 Testing	1.76	1.1.76 Data Archiving	1.1.76.1 Explain how data is archived 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1.3	1.1.3 Data Storage	1.1.3.1 Explain how data is stored in a computer system	2.3	2.1.3 Identifying and preventing vulnerabilities	2.3.1 Defensive design																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
1.4	1.1.4 Data Security	1.1.4.1 Explain how data is protected in a computer system	2.4	2.1.4 Operating systems	2.4.1 Defensive design																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
1.5	1.1.5 Data Protection	1.1.5.1 Explain how data is protected in a computer system	2.5	2.1.5 Testing	2.5.1 Defensive design																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
1.6	1.1.6 Data Backup	1.1.6.1 Explain how data is backed up in a computer system	2.6	2.1.6 Utility software	2.6.1 Testing																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
1.7	1.1.7 Data Archiving	1.1.7.1 Explain how data is archived in a computer system	2.7	2.1.7 Utility software	2.7.1 Testing																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
1.8	1.1.8 Data Migration	1.1.8.1 Explain how data is migrated in a computer system	2.8	2.1.8 Utility software	2.8.1 Testing																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
1.9	1.1.9 Data Recovery	1.1.9.1 Explain how data is recovered in a computer system	2.9	2.1.9 Utility software	2.9.1 Testing																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
1.10	1.1.10 Data Archiving	1.1.10.1 Explain how data is archived in a computer system	2.10	2.1.10 Utility software	2.10.1 Testing																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
1.11	1.1.11 Data Archiving	1.1.11.1 Explain how data is archived in a computer system	2.11	2.1.11 Utility software	2.11.1 Testing																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
1.12	1.1.12 Data Archiving	1.1.12.1 Explain how data is archived in a computer system	2.12	2.1.12 Utility software	2.12.1 Testing																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
1.13	1.1.13 Data Archiving	1.1.13.1 Explain how data is archived in a computer system	2.13	2.1.13 Utility software	2.13.1 Testing																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
1.14	1.1.14 Data Archiving	1.1.14.1 Explain how data is archived in a computer system	2.14	2.1.14 Utility software	2.14.1 Testing																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
1.15	1.1.15 Data Archiving	1.1.15.1 Explain how data is archived in a computer system	2.15	2.1.15 Utility software	2.15.1 Testing																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
1.16	1.1.16 Data Archiving	1.1.16.1 Explain how data is archived in a computer system	2.16	2.1.16 Utility software	2.16.1 Testing																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
1.17	1.1.17 Data Archiving	1.1.17.1 Explain how data is archived in a computer system	2.17	2.1.17 Utility software	2.17.1 Testing																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
1.18	1.1.18 Data Archiving	1.1.18.1 Explain how data is archived in a computer system	2.18	2.1.18 Utility software	2.18.1 Testing																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
1.19	1.1.19 Data Archiving	1.1.19.1 Explain how data is archived in a computer system	2.19	2.1.19 Utility software	2.19.1 Testing																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
1.20	1.1.20 Data Archiving	1.1.20.1 Explain how data is archived in a computer system	2.20	2.1.20 Utility software	2.20.1 Testing																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
1.21	1.1.21 Data Archiving	1.1.21.1 Explain how data is archived in a computer system	2.21	2.1.21 Utility software	2.21.1 Testing																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
1.22	1.1.22 Data Archiving	1.1.22.1 Explain how data is archived in a computer system	2.22	2.1.22 Utility software	2.22.1 Testing																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
1.23	1.1.23 Data Archiving	1.1.23.1 Explain how data is archived in a computer system	2.23	2.1.23 Utility software	2.23.1 Testing																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
1.24	1.1.24 Data Archiving	1.1.24.1 Explain how data is archived in a computer system	2.24	2.1.24 Utility software	2.24.1 Testing																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
1.25	1.1.25 Data Archiving	1.1.25.1 Explain how data is archived in a computer system	2.25	2.1.25 Utility software	2.25.1 Testing																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
1.26	1.1.26 Data Archiving	1.1.26.1 Explain how data is archived in a computer system	2.26	2.1.26 Utility software	2.26.1 Testing																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
1.27	1.1.27 Data Archiving	1.1.27.1 Explain how data is archived in a computer system	2.27	2.1.27 Utility software	2.27.1 Testing																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
1.28	1.1.28 Data Archiving	1.1.28.1 Explain how data is archived in a computer system	2.28	2.1.28 Utility software	2.28.1 Testing																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
1.29	1.1.29 Data Archiving	1.1.29.1 Explain how data is archived in a computer system	2.29	2.1.29 Utility software	2.29.1 Testing																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
1.30	1.1.30 Data Archiving	1.1.30.1 Explain how data is archived in a computer system	2.30	2.1.30 Utility software	2.30.1 Testing																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
1.31	1.1.31 Data Archiving	1.1.31.1 Explain how data is archived in a computer system	2.31	2.1.31 Utility software	2.31.1 Testing																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
1.32	1.1.32 Data Archiving	1.1.32.1 Explain how data is archived in a computer system	2.32	2.1.32 Utility software	2.32.1 Testing																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
1.33	1.1.33 Data Archiving	1.1.33.1 Explain how data is archived in a computer system	2.33	2.1.33 Utility software	2.33.1 Testing																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
1.34	1.1.34 Data Archiving	1.1.34.1 Explain how data is archived in a computer system	2.34	2.1.34 Utility software	2.34.1 Testing																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
1.35	1.1.35 Data Archiving	1.1.35.1 Explain how data is archived in a computer system	2.35	2.1.35 Utility software	2.35.1 Testing																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
1.36	1.1.36 Data Archiving	1.1.36.1 Explain how data is archived in a computer system	2.36	2.1.36 Utility software	2.36.1 Testing																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
1.37	1.1.37 Data Archiving	1.1.37.1 Explain how data is archived in a computer system	2.37	2.1.37 Utility software	2.37.1 Testing																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
1.38	1.1.38 Data Archiving	1.1.38.1 Explain how data is archived in a computer system	2.38	2.1.38 Utility software	2.38.1 Testing																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
1.39	1.1.39 Data Archiving	1.1.39.1 Explain how data is archived in a computer system	2.39	2.1.39 Utility software	2.39.1 Testing																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
1.40	1.1.40 Data Archiving	1.1.40.1 Explain how data is archived in a computer system	2.40	2.1.40 Utility software	2.40.1 Testing																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
1.41	1.1.41 Data Archiving	1.1.41.1 Explain how data is archived in a computer system	2.41	2.1.41 Utility software	2.41.1 Testing																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
1.42	1.1.42 Data Archiving	1.1.42.1 Explain how data is archived in a computer system	2.42	2.1.42 Utility software	2.42.1 Testing																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
1.43	1.1.43 Data Archiving	1.1.43.1 Explain how data is archived in a computer system	2.43	2.1.43 Utility software	2.43.1 Testing																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
1.44	1.1.44 Data Archiving	1.1.44.1 Explain how data is archived in a computer system	2.44	2.1.44 Utility software	2.44.1 Testing																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
1.45	1.1.45 Data Archiving	1.1.45.1 Explain how data is archived in a computer system	2.45	2.1.45 Utility software	2.45.1 Testing																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
1.46	1.1.46 Data Archiving	1.1.46.1 Explain how data is archived in a computer system	2.46	2.1.46 Utility software	2.46.1 Testing																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
1.47	1.1.47 Data Archiving	1.1.47.1 Explain how data is archived in a computer system	2.47	2.1.47 Utility software	2.47.1 Testing																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
1.48	1.1.48 Data Archiving	1.1.48.1 Explain how data is archived in a computer system	2.48	2.1.48 Utility software	2.48.1 Testing																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
1.49	1.1.49 Data Archiving	1.1.49.1 Explain how data is archived in a computer system	2.49	2.1.49 Utility software	2.49.1 Testing																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
1.50	1.1.50 Data Archiving	1.1.50.1 Explain how data is archived in a computer system	2.50	2.1.50 Utility software	2.50.1 Testing																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
1.51	1.1.51 Data Archiving	1.1.51.1 Explain how data is archived in a computer system	2.51	2.1.51 Utility software	2.51.1 Testing																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
1.52	1.1.52 Data Archiving	1.1.52.1 Explain how data is archived in a computer system	2.52	2.1.52 Utility software	2.52.1 Testing																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
1.53	1.1.53 Data Archiving	1.1.53.1 Explain how data is archived in a computer system	2.53	2.1.53 Utility software	2.53.1 Testing																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
1.54	1.1.54 Data Archiving	1.1.54.1 Explain how data is archived in a computer system	2.54	2.1.54 Utility software	2.54.1 Testing																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
1.55	1.1.55 Data Archiving	1.1.55.1 Explain how data is archived in a computer system	2.55	2.1.55 Utility software	2.55.1 Testing																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
1.56	1.1.56 Data Archiving	1.1.56.1 Explain how data is archived in a computer system	2.56	2.1.56 Utility software	2.56.1 Testing																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
1.57	1.1.57 Data Archiving	1.1.57.1 Explain how data is archived in a computer system	2.57	2.1.57 Utility software	2.57.1 Testing																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
1.58	1.1.58 Data Archiving	1.1.58.1 Explain how data is archived in a computer system	2.58	2.1.58 Utility software	2.58.1 Testing																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
1.59	1.1.59 Data Archiving	1.1.59.1 Explain how data is archived in a computer system	2.59	2.1.59 Utility software	2.59.1 Testing																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
1.60	1.1.60 Data Archiving	1.1.60.1 Explain how data is archived in a computer system	2.60	2.1.60 Utility software	2.60.1 Testing																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
1.61	1.1.61 Data Archiving	1.1.61.1 Explain how data is archived in a computer system	2.61	2.1.61 Utility software	2.61.1 Testing																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
1.62	1.1.62 Data Archiving	1.1.62.1 Explain how data is archived in a computer system	2.62	2.1.62 Utility software	2.62.1 Testing																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
1.63	1.1.63 Data Archiving	1.1.63.1 Explain how data is archived in a computer system	2.63	2.1.63 Utility software	2.63.1 Testing																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
1.64	1.1.64 Data Archiving	1.1.64.1 Explain how data is archived in a computer system	2.64	2.1.64 Utility software	2.64.1 Testing																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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1.67	1.1.67 Data Archiving	1.1.67.1 Explain how data is archived in a computer system	2.67	2.1.67 Utility software	2.67.1 Testing																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
1.68	1.1.68 Data Archiving	1.1.68.1 Explain how data is archived in a computer system	2.68	2.1.68 Utility software	2.68.1 Testing																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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1.70	1.1.70 Data Archiving	1.1.70.1 Explain how data is archived in a computer system	2.70	2.1.70 Utility software	2.70.1 Testing																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
1.71	1.1.71 Data Archiving	1.1.71.1 Explain how data is archived in a computer system	2.71	2.1.71 Utility software	2.71.1 Testing																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
1.72	1.1.72 Data Archiving	1.1.72.1 Explain how data is archived in a computer system	2.72	2.1.72 Utility software	2.72.1 Testing																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
1.73	1.1.73 Data Archiving	1.1.73.1 Explain how data is archived in a computer system	2.73	2.1.73 Utility software	2.73.1 Testing																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
1.74	1.1.74 Data Archiving	1.1.74.1 Explain how data is archived in a computer system	2.74	2.1.74 Utility software	2.74.1 Testing																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
1.75	1.1.75 Data Archiving	1.1.75.1 Explain how data is archived in a computer system	2.75	2.1.75 Utility software	2.75.1 Testing																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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Core Skills	Computational and Algorithmic Thinking, Logical reasoning and Analytical skills	Problem Solving, Planning and Designing skills,	Evaluative and testing skills	Ability to Implement planned solutions and Synthesize information	Logic Reasoning and evaluative skills	Revision - Self regulation and metacognitive skills. AC1 - Demonstrate knowledge and understanding of the key concepts and principles of computer science AO2 - Apply knowledge and understanding of key concepts and principles of computer science AO3 - Analyse problems in computational terms: + To make reasoned judgments and to design, program, evaluate and refine solutions curriculum is developed so that students are taught the principles of problem-solving and computation. Develop knowledge, skills and understanding through critical computational concepts and experience.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
Core Knowledge	Systems Architecture; Memory, Storage; Wired and wireless networks; Network Topologies; Protocols and Layers; System Security; System Software; Ethical, Legal, Cultural and Environmental Concerns	Algorithms; Programming Techniques; Producing Robust Programs; Computational Logic; Translators and Facilities of Languages; Data Representation;	Programming fundamentals, techniques and Data Types.	Systems Architecture, Memory, storage, Networks, Topologies, Protocols and layers and the Impact of IT	Algorithms, Programming Techniques, Producing Robust Programs, Computational Logic, Translators & Facilities of Languages and Data Representation.	Computer Theory, Computational Thinking and Problem Solving.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
Assessment & Feedback	Class structured assessments, End of unit and topic assessments, Diagnostic Assessments with detailed constructive feedback given to improve and progress. Half Term assessment of skills by the student based on units' delivered. Termly assessment of skills by the teacher (in addition to formal school reporting) in class mini plenaries (every lesson) Homework tasks. Trial exams																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
Link to prior learning	The Big ideas: The big ideas of the curriculum content are Digital Literacy, Programming, Algorithms and Computational thinking. In Year 10, students studied Algorithms and Data Representation. You were also introduced to programming in SQL and techniques to develop their skills in programming. In Year 11, the curriculum students will engage with will be hinged on programming techniques and producing robust programs. Students will develop greater insight into analysing, designing, developing, testing and evaluating programs. Students will consider Boolean logic as you work with programming constructs and data structures. They will also learn about systems security and focus hugely on how to use theoretical knowledge and programming skills to answer exam styled questions. Beyond Year 11, students will develop their knowledge of Computer Science to an advanced level and gain mastery in programming concepts and problem solving, developing and using models to create solutions to problems. Important skills students will acquire and develop which will be crucial to your study are: mathematical, investigative, analytical, reasoning, problem solving skills and critical thinking.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
Outside learning/tips	Visits to top London Computer Science Universities (Forensics, programming and Artificial Intelligence), University of Oxford, University of Cambridge, Imperial College London, University College London (UCL), King's College London, London School of Economics and Political Science (LSE)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															