

Online learning resources – Computer Science

Key Stage 3

YEAR 7

Term	Topic	Online learning resources
1	E-Safety?	• Oak National Academy Unit: https://classroom.thenational.academy/units/cybersecurity-ec1c • Oak National Academy Unit: https://classroom.thenational.academy/units/impact-of-technology-collaborating-online-respectfully-35d0 • Oak National Academy Unit: https://classroom.thenational.academy/lessons/recognise-and-report-6muk2d • BBC Bitesize Revision: https://www.bbc.co.uk/bitesize/topics/z6sycdm • BBC Bitesize Revision: https://www.bbc.co.uk/bitesize/topics/z67ncdm Please remember all class resources are also available on FireFly
1	Computer Hardware	• Oak National Academy Unit: https://classroom.thenational.academy/units/computing-systems-1558 • Oak National Academy Unit: https://classroom.thenational.academy/lessons/under-the-hood-60t36r • BBC Bitesize Revision: https://www.bbc.co.uk/bitesize/topics/zmpsgk7 • BBC Bitesize Revision: https://www.bbc.co.uk/bitesize/topics/zbxhfg8 Please remember all class resources are also available on FireFly
2	Logic and Binary	• BBC Bitesize Revision: https://www.bbc.co.uk/bitesize/topics/zxnfr82 Please remember all class resources are also available on FireFly
2	HTML	• Oak National Academy Unit: https://classroom.thenational.academy/units/html-beb0 • BBC Bitesize Revision: https://www.bbc.co.uk/bitesize/topics/zfj2tfr/resources/1 Please remember all class resources are also available on FireFly
3	Web Design	• BBC Bitesize Revision: https://www.bbc.co.uk/bitesize/topics/zfj2tfr/resources/1 • BBC Bitesize Revision: https://www.bbc.co.uk/bitesize/guides/z7c82hv/revision/1 Please remember all class resources are also available on FireFly
3	Mobile App Design	• Oak National Academy Unit: https://classroom.thenational.academy/units/mobile-app-development-4fbe • Support Website: www.appshed.com Please remember all class resources are also available on FireFly

YEAR 8

Term	Topic	Online learning resources
1	E-Safety	• Oak National Academy Unit: https://classroom.thenational.academy/units/cybersecurity-ec1c • Oak National Academy Unit: https://classroom.thenational.academy/units/impact-of-technology-collaborating-online-respectfully-35d0 • Oak National Academy Unit: https://classroom.thenational.academy/lessons/recognise-and-report-6muk2d • BBC Bitesize Revision: https://www.bbc.co.uk/bitesize/topics/z6sycdm • BBC Bitesize Revision: https://www.bbc.co.uk/bitesize/topics/z67ncdm Please remember all class resources are also available on FireFly
1	Internal Hardware	• Oak National Academy Unit: https://classroom.thenational.academy/units/computing-systems-1558 • Oak National Academy Unit: https://classroom.thenational.academy/lessons/under-the-hood-60t36r • BBC Bitesize Revision: https://www.bbc.co.uk/bitesize/topics/zmpsgk7 • BBC Bitesize Revision: https://www.bbc.co.uk/bitesize/topics/zbxhfg8 Please remember all class resources are also available on FireFly
2	Advanced Logic	• BBC Bitesize Revision: https://www.bbc.co.uk/bitesize/topics/zxnfr82 Please remember all class resources are also available on FireFly
2	Computational Thinking	• BBC Bitesize Revision: https://www.bbc.co.uk/bitesize/guides/zp92mp3/revision/1 • BBC Bitesize Revision: https://www.bbc.co.uk/bitesize/guides/zqqfyrd/revision/1 • BBC Bitesize Revision: https://www.bbc.co.uk/bitesize/guides/zxxbgk7/revision/1 • BBC Bitesize Revision: https://www.bbc.co.uk/bitesize/guides/zttcdm/revision/1 • BBC Bitesize Revision: https://www.bbc.co.uk/bitesize/guides/zpp49j6/revision/1 Please remember all class resources are also available on FireFly
3 – both half terms	Python Programming	• Oak National Academy unit: https://classroom.thenational.academy/units/python-programming-with-sequences-of-data-7716 • Oak National Academy Unit: https://classroom.thenational.academy/units/physical-computing-programming-7aa6 • Please remember all class resources are also available on FireFly

Key Stage 4 (OCR GCSE)

See below for enrichment resources for Key Stage 4 units

Unit	Online learning resources
Paper 1: System Architecture	Oak National Academy unit: https://classroom.thenational.academy/units/computer-systems-e17a Seneca Learning: https://app.senecalearning.com/dashboard/join-class/fwao2uvzf5 BBC Bitesize Revision: https://www.bbc.co.uk/bitesize/guides/zbfn4j/revision/1 BBC Bitesize Revision: https://www.bbc.co.uk/bitesize/guides/zd4r97h/revision/1 BBC Bitesize Revision: https://www.bbc.co.uk/bitesize/guides/z67j2nb/revision/1
Paper 1: Data Representation	Oak National Academy unit: https://classroom.thenational.academy/units/data-representation-618b Seneca Learning: https://app.senecalearning.com/dashboard/join-class/fwao2uvzf5 BBC Bitesize Revision: https://www.bbc.co.uk/bitesize/guides/zfspfcw/revision/1
Paper 1: Network Connections and Protocols / Network Security and Systems Software	Oak National Academy unit: https://classroom.thenational.academy/units/networks-fe4b Seneca Learning: https://app.senecalearning.com/dashboard/join-class/fwao2uvzf5 BBC Bitesize Revision: https://www.bbc.co.uk/bitesize/guides/zvspfcw/revision/1 BBC Bitesize Revision: https://www.bbc.co.uk/bitesize/guides/zr3yb82/revision/1 BBC Bitesize Revision: https://www.bbc.co.uk/bitesize/guides/zj89dxs/revision/1 BBC Bitesize Revision: https://www.bbc.co.uk/bitesize/guides/zmqw7p3/revision/1
Paper 1: Impacts of Digital Technology	Seneca Learning: https://app.senecalearning.com/dashboard/join-class/fwao2uvzf5 BBC Bitesize Revision: https://www.bbc.co.uk/bitesize/guides/zhx26yc/revision/1
Paper 2: Algorithms	Oak National Academy unit: https://classroom.thenational.academy/units/algorithms-a118 Seneca Learning: https://app.senecalearning.com/dashboard/join-class/fwao2uvzf5 BBC Bitesize Revision: https://www.bbc.co.uk/bitesize/guides/z4rbcj6/revision/1 BBC Bitesize Revision: https://www.bbc.co.uk/bitesize/guides/zjdkw6f/revision/1 BBC Bitesize Revision: https://www.bbc.co.uk/bitesize/guides/z6m7xfr/revision/1
Paper 2: Programming	Oak National Academy unit: https://classroom.thenational.academy/units/programming-1-sequence-2cbd Oak National Academy unit: https://classroom.thenational.academy/units/programming-2-selection-cbc4 Oak National Academy unit: https://classroom.thenational.academy/units/programming-3-iteration-2e20 Oak National Academy unit: https://classroom.thenational.academy/units/programming-4-subroutines-7e33 Seneca Learning: https://app.senecalearning.com/dashboard/join-class/fwao2uvzf5 BBC Bitesize Revision: https://www.bbc.co.uk/bitesize/guides/znh6pbk/revision/1 BBC Bitesize Revision: https://www.bbc.co.uk/bitesize/guides/zb3yb82/revision/1 BBC Bitesize Revision: https://www.bbc.co.uk/bitesize/guides/z4cg4qt/revision/1
Paper 2: Logic and Languages	Oak National Academy unit: https://classroom.thenational.academy/lessons/binary-maths-68rkae Seneca Learning: https://app.senecalearning.com/dashboard/join-class/fwao2uvzf5 BBC Bitesize Revision: https://www.bbc.co.uk/bitesize/guides/zjw8jty/revision/1

KEY STAGE 5 (OCR A-Level)

Unit	Online learning resources
Paper 1: Components of a Computer System	Seneca Learning (ask you teacher for the class code https://app.senecalearning.com/classroom/course/0427a30a-fd38-4222-9775-2d193021a4a1)
Paper 1: Software Development	Seneca Learning (ask you teacher for the class code https://app.senecalearning.com/classroom/course/0427a30a-fd38-4222-9775-2d193021a4a1)
Paper 1: Exchanging data networks	Seneca Learning (ask you teacher for the class code https://app.senecalearning.com/classroom/course/0427a30a-fd38-4222-9775-2d193021a4a1)
Paper 1: Data types and data structures	Seneca Learning (ask you teacher for the class code https://app.senecalearning.com/classroom/course/0427a30a-fd38-4222-9775-2d193021a4a1)
Paper 1: Boolean Algebra	Seneca Learning (ask you teacher for the class code https://app.senecalearning.com/classroom/course/0427a30a-fd38-4222-9775-2d193021a4a1)
Paper 1: Legal and Cultural Issues	Seneca Learning (ask you teacher for the class code https://app.senecalearning.com/classroom/course/0427a30a-fd38-4222-9775-2d193021a4a1)
Paper 2: Computational Thinking	Seneca Learning (ask you teacher for the class code https://app.senecalearning.com/classroom/course/0427a30a-fd38-4222-9775-2d193021a4a1)
Paper 2: Algorithms	Seneca Learning (ask you teacher for the class code https://app.senecalearning.com/classroom/course/0427a30a-fd38-4222-9775-2d193021a4a1)
Paper 2: Programming Techniques	Seneca Learning (ask you teacher for the class code https://app.senecalearning.com/classroom/course/0427a30a-fd38-4222-9775-2d193021a4a1)