

EP905: PGCE Secondary Subject Studies: Computer Science

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1.

Langfield S, Bond KR. AQA computing: AS : exclusively endorsed by AQA. Cheltenham: Nelson Thornes; 2008.

2.

Langfield S, Bond KR. AQA A2 computing: Student's book. Cheltenham: Nelson Thornes; 2009.

3.

Dewdney AK. The (new) Turing omnibus: 66 excursions in computer science. 1st Holt paperback ed. New York: Henry Holt; 2001.

4.

Graham RL, Knuth DE, Patashnik O. Concrete mathematics: a foundation for computer science [Internet]. 2nd ed. Reading, Mass: Addison-Wesley; 1994. Available from: <https://go.exlibris.link/2jW0FW9R>

5.

Harel D. Computers Ltd: what they really can't do. Oxford: Oxford University Press; 2003.

6.

Harel D, Feldman YA. Algorithmics: the spirit of computing [Internet]. 3rd ed. Harlow, Essex, England: Addison Wesley; 2004. Available from: http://encore.lib.warwick.ac.uk/iii/encore/record/C__Rb2522778

7.

Hey AJG, Pápay G. The computing universe: a journey through a revolution [Internet]. New York: Cambridge University Press; 2015. Available from: <https://go.exlibris.link/K2LRyls0>

8.

Kölling M. Introduction to programming with greenfoot object-oriented programming in java with games and simulations. Second edition. Boston: Pearson; 2016.

9.

Kubica J. Computational fairy tales. Version 1.1. [Place of publication not identified]: Jeremy Kubica; 2012.

10.

Kubica J. Best practices of spell design: a computational fairy tale. San Bernardino, CA: [CreateSpace]; 2013.

11.

Leadbetter C, Greig P, Rouse G. OCR computing for A level [Internet]. London: Hodder Murray; 2008. Available from: <https://go.exlibris.link/gQsd8wlk>

12.

O'Byrne S, Rouse G. OCR Computing for GCSE [Internet]. London: Hodder Education; 2012. Available from: <https://go.exlibris.link/Pt0tfTBy>

13.

Petzold C. Code: the hidden language of computer hardware and software [Internet]. Paperback edition. Redmond, Washington: Microsoft Press; 2000. Available from: <https://go.exlibris.link/ZC3xNd26>

14.

Petzold C. The annotated Turing: a guided tour through Alan Turing's historic paper on computability and the Turing machine. Indianapolis, IN: Wiley Pub; 2008.

15.

CS Education Research Group. Computer Science Unplugged [Internet]. 2019. Available from: <https://classic.csunplugged.org/>

16.

Bennedsen J, Caspersen ME, Kölling M. Reflections on the teaching of programming: methods and implementations [Internet]. Berlin: Springer; 2008. Available from: <https://go.exlibris.link/6pvhSxJ5>

17.

Gal-Ezer J, Harel D. What (else) should CS educators know? Communications of the ACM [Internet]. 1998;41(9):77–84. Available from: <http://0-dl.acm.org.pugwash.lib.warwick.ac.uk/citation.cfm?doid=285070.285085>

18.

Graham CR. Theoretical considerations for understanding technological pedagogical content knowledge (TPACK). Computers & Education [Internet]. 2011;57(3):1953–1960. Available from: <http://0-www.sciencedirect.com.pugwash.lib.warwick.ac.uk/science/article/pii/S0360131511000911?via%3Dihub>

19.

Guzdial M. Learner-centered design of computing education: research on computing for everyone [Internet]. [San Rafael, California]: Morgan & Claypool Publishers; 2016. Available from: <https://go.exlibris.link/D8h7kls8>

20.

Hazzan O. A model for high school computer science education. Proceedings of the 39th SIGCSE technical symposium on Computer science education - SIGCSE '08 [Internet]. New York, NY, USA: ACM SIGCSE Bulletin; 2008. Available from: <http://portal.acm.org/citation.cfm?doid=1352135.1352233>

21.

Hazzan O, Lapidot T, Ragonis N. Guide to teaching computer science: an activity-based approach [Internet]. Second edition. London: Springer-Verlag London Limited; 2014. Available from: <https://go.exlibris.link/pZB91QwH>

22.

Kadijevich DM, Angeli C, Schulte C. Improving computer science education [Internet]. New York: Routledge; 2013. Available from: <https://go.exlibris.link/fnYGYZj8>

23.

Kemp P. Computing in the national curriculum: A guide for secondary teachers [Internet]. London: Computing At School; Available from: <https://www.shropshirelg.net/media/189239/CAS-booklet-for-secondary-schools.pdf>

24.

Koehler MJ, Mishra P, Cain W. What Is Technological Pedagogical Content Knowledge (TPACK)? Journal of Education [Internet]. 2013;193(3):13–19. Available from: <https://0-journals-sagepub-com.pugwash.lib.warwick.ac.uk/doi/abs/10.1177/002205741319300303>

25.

Norvig P. Teach Yourself Programming in Ten Years [Internet]. 2001. Available from: <http://norvig.com/21-days.html>

26.

ICT in schools: 2008 to 2011 [Internet]. Department for Education; 2013. Available from: <https://www.gov.uk/government/publications/ict-in-schools-2008-to-2011>

27.

Papert S. Mindstorms: children, computers and powerful ideas [Internet]. 2nd ed. New York: Harvester Wheatsheaf; 1993. Available from: <https://go.exlibris.link/27hvHBWj>

28.

Royal Society. Shut down or restart? | Royal Society (Video) [Internet]. 2012. Available from: <https://royalsociety.org/topics-policy/projects/computing-in-schools/report/>

29.

Saeli M, Perrenet J, Jochems WMG, Zwaneveld B. Teaching Programming in Secondary School: A Pedagogical Content Knowledge P... Informatics in Education [Internet]. 2011;10(1):73–88. Available from: <http://0-search.ebscohost.com.pugwash.lib.warwick.ac.uk/login.aspx?direct=true&db=ehh&AN=67257653&site=eds-live&group=trial>

30.

Department of Education. Subject knowledge requirements for entry into computer science teacher training [Internet]. 2012. Available from: <http://www.computingschool.org.uk/data/uploads/CSSubjectKnowledgeRequirements.pdf>

31.

Webb M, Cox M, King's College London. Department of Education and Professional Studies. Information and communication technology inside the black box: assessment for learning in the ICT classroom. London: nferNelson; 2007.

32.

Abell SK. Twenty Years Later: Does pedagogical content knowledge remain a useful idea? International Journal of Science Education [Internet]. 2008;30(10):1405–1416. Available from:

<http://0-www.tandfonline.com.pugwash.lib.warwick.ac.uk/doi/abs/10.1080/09500690802187041>

33.

Berry A, Loughran J, van Driel JH. Revisiting the Roots of Pedagogical Content Knowledge. *International Journal of Science Education* [Internet]. 2008;30(10):1271–1279. Available from:
<http://0-www.tandfonline.com.pugwash.lib.warwick.ac.uk/doi/abs/10.1080/09500690801998885>

34.

Bullough RV. Pedagogical content knowledge circa 1907 and 1987: a study in the history of an idea. *Teaching and Teacher Education* [Internet]. 2001;17(6):655–666. Available from:
<http://0-www.sciencedirect.com.pugwash.lib.warwick.ac.uk/science/article/pii/S0742051X01000221?via%3Dihub>

35.

Cochran KF, DeRuiter JA, King RA. Pedagogical Content Knowing: An Integrative Model for Teacher Preparation. *Journal of Teacher Education* [Internet]. 1993;44(4):263–272. Available from:
<http://0-journals.sagepub.com.pugwash.lib.warwick.ac.uk/doi/10.1177/0022487193044004004>

36.

EPPI. A systematic map into approaches to making initial teacher training flexible and responsive to the needs of trainee teachers [Internet]. 2006. Available from:
<http://eppi.ioe.ac.uk/cms/Default.aspx?tabid=780>

37.

EPPI. What pedagogical practices do teacher educators use in Higher Education based elements of their courses? [Internet]. 2004. Available from:
http://eppi.ioe.ac.uk/cms/Portals/0/PDF%20reviews%20and%20summaries/TTA_Learning_protocol1.pdf?ver=2006-03-06-105329-870

38.

Feiman-Nemser S. From Preparation to Practice: Designing a Continuum to Strengthen and Sustain Teaching. Teachers College Record [Internet]. Columbia University; 2001;103(6):1013–1055. Available from: <https://0-journals-sagepub-com.pugwash.lib.warwick.ac.uk/doi/abs/10.1111/0161-4681.00141>

39.

Grossman PL. The making of a teacher: teacher knowledge and teacher education. New York: Teachers College Press, Teachers College, Columbia University; 1990.

40.

Hirst PH, Peters RS. The logic of education [Internet]. London: Routledge & Kegan Paul; 1970. Available from: <https://go.exlibris.link/Zwx175wB>

41.

Korthagen F, Vasalos A. Levels in reflection: core reflection as a means to enhance professional growth. Teachers and Teaching: Theory and Practice [Internet]. 2005;11(1):47–71. Available from: <http://0-www.tandfonline.com.pugwash.lib.warwick.ac.uk/doi/abs/10.1080/1354060042000337093>

42.

Korthagen FAJ, Kessels JPAM. Linking Theory and Practice: Changing the Pedagogy of Teacher Education. Educational Researcher [Internet]. American Educational Research Association; 1999;28(4):4–17. Available from: http://0-www.jstor.org.pugwash.lib.warwick.ac.uk/stable/1176444?seq=1#page_scan_tab_contents

43.

Lawson T, Harrison JK. Individual Action Planning in Initial Teacher Training: Empowerment or Discipline? British Journal of Sociology of Education [Internet]. Taylor & Francis, Ltd.; 1999;20(1):89–105. Available from: <http://0-www.tandfonline.com.pugwash.lib.warwick.ac.uk/doi/abs/10.1080/014256999995524>

44.

Calderhead J. Teachers' professional learning. London: Falmer; 1988.

45.

Beijaard Douwe; Meijer Pauline C.; Morine-Dersheimer Greta; Harm Tillema. Teacher Professional Development in Changing Conditions [Internet]. Softcover reprint of hardcover 1st ed. 2005. Dordrecht: Springer-Verlag; 2005. Available from: <https://go.exlibris.link/F4DZx3Jl>

46.

Shulman LS. Those Who Understand: Knowledge Growth in Teaching. Educational Researcher [Internet]. American Educational Research Association; 1986;15(2):4–14. Available from: <https://go.exlibris.link/q3sKNXxf>

47.

Buckingham D. Beyond technology: children's learning in the age of digital culture [Internet]. Cambridge: Polity; 2007. Available from: http://encore.lib.warwick.ac.uk/iii/encore/record/C__Rb2870385

48.

Davies J, Merchant G. Web 2.0 for schools: learning and social participation. New York: Peter Lang; 2009.

49.

Facer K. Learning futures: education, technology and social change [Internet]. 1st ed. Abingdon, Oxon: Routledge; 2011. Available from: <https://go.exlibris.link/hc5J4ZZY>

50.

Jenkins H. Confronting the challenges of participatory culture: media education for the 21st century [Internet]. Cambridge, MA: The MIT Press; 2009. Available from:

<https://go.exlibris.link/KZxbsxmG>

51.

Howland JL, Jonassen DH, Marra RM. Meaningful learning with technology [Internet]. Pearson New international fourth edition. Harlow, Essex: Pearson; 2013. Available from: <https://go.exlibris.link/P85HN6HP>

52.

Noss R. System Upgrade: Realising the vision for UK education [Internet]. 2012. Available from: <http://discovery.ucl.ac.uk/1475950/>

53.

Papert S. The children's machine: rethinking school in the age of the computer. New York: Harvester Wheatsheaf; 1994.

54.

Prensky M. Teaching digital natives: partnering for real learning [Internet]. Thousand Oaks, Calif: Corwin; 2010. Available from: <https://go.exlibris.link/zxg4KD60>

55.

Selwyn N. Schools and schooling in the digital age: a critical analysis [Internet]. 1st ed. London: Routledge; 2011. Available from: <https://go.exlibris.link/2TGwK8C4>

56.

Selwyn N. Education and technology: key issues and debates [Internet]. London: Continuum International Pub. Group; 2011. Available from: <https://go.exlibris.link/KQD30P2T>

57.

Selwyn N. Distrusting educational technology: critical questions for changing times

[Internet]. New York: Routledge; 2014. Available from: <https://go.exlibris.link/hPHr77Wb>

58.

Somekh B. Pedagogy and learning with ICT: researching the art of innovation [Internet]. 1st ed. London: Routledge; 2007. Available from: <https://go.exlibris.link/Jkmz5CK0>

59.

Eynon R. Supporting the “Digital Natives”: what is the role of schools? Proceedings of the 7th International Conference on Networked Learning [Internet]. 2010. p. 851–858. Available from: <http://www.lancaster.ac.uk/fss/organisations/netlc/past/nlc2010/abstracts/PDFs/Eynon.pdf>

60.

Helsper EJ, Eynon R. Digital natives: where is the evidence? British Educational Research Journal [Internet]. 2010;36(3):503–520. Available from: <http://0-onlinelibrary.wiley.com.pugwash.lib.warwick.ac.uk/doi/10.1080/01411920902989227/abstract>

61.

Digital Skills For Tomorrow's World [Internet]. 2014. Available from: <http://www.ukdigitalskills.com/wp-content/uploads/2014/07/Binder7-REDUCED2.pdf>

62.

Cremin T. Literature review of creativity in education [Internet]. 2012. Available from: <http://www.creative-little-scientists.eu/sites/default/files/Addendum%20%20Creativity%20in%20Ed%20FINAL.pdf>

63.

Hattie J. Visible learning: a synthesis of over 800 meta-analyses relating to achievement [Internet]. London: Routledge; 2009. Available from: <https://go.exlibris.link/5xxHDw5j>

64.

Hunt A. Pragmatic thinking and learning: refactor your 'wetware' [Internet]. Raleigh: Pragmatic; 2008. Available from: <https://go.exlibris.link/rpX94YGw>

65.

Pritchard A, Woollard J. Psychology for the classroom: constructivism and social learning [Internet]. London: Routledge; 2010. Available from: <https://go.exlibris.link/WYDLp1rC>

66.

Marland M. The craft of the classroom: a survival guide. 3rd ed. Oxford: Heinemann Educational; 2002.

67.

Atkinson T, Claxton G. The Intuitive practitioner: on the value of not always knowing what one is doing. Buckingham: Open University Press; 2000.

68.

Beard C, Wilson JP, Beard C. Experiential learning: a best practice handbook for educators and trainers [Internet]. 2nd ed. London: Kogan Page; 2006. Available from: <https://go.exlibris.link/fjCHmcgl>

69.

Bolton G, Delderfield R. Reflective practice: writing and professional development [Internet]. Fifth edition. Los Angeles: SAGE; 2018. Available from: <https://go.exlibris.link/PwJm4hpz>

70.

Abbott I, Huddleston P, Middlewood D, editors. Preparing to teach in secondary schools: a student teacher's guide to professional issues in secondary education [Internet]. Fourth edition. London, England: McGraw-Hill Education; 2019. Available from:

<https://go.exlibris.link/FR1cwz1X>

71.

Halpin D. Romanticism and education: love, heroism and imagination in pedagogy [Internet]. [London]: Continuum; 2007. Available from: <https://go.exlibris.link/zDNcw17j>

72.

Dymoke S, Harrison J. Reflective teaching and learning: a guide to professional issues for beginning secondary teachers. Los Angeles: SAGE; 2008.

73.

Petty G. Evidence-based teaching: a practical approach [Internet]. 2nd ed. Cheltenham: Nelson Thornes; 2009. Available from: <https://go.exlibris.link/xydf3KX6>

74.

Wallace M, Wray A. Critical reading and writing for postgraduates [Internet]. 4th edition. Los Angeles: SAGE; 2021. Available from: https://encore.lib.warwick.ac.uk/iii/encore/record/C__Rb3685508

75.

Wenger E. Communities of practice: learning, meaning, and identity. 1st pbk. ed. Cambridge, U.K.: Cambridge University Press; 1999.

76.

Wrigley T. Schools of hope: a new agenda for school improvement. Stoke-on-Trent: Trentham; 2003.