



Expand your knowledge of Computer Science

If you are interested in studying Computer Science either at degree level or via an apprenticeship you may want to investigate it further to extend your knowledge in preparation for applying and interviews. The following resources will help with this.

Podcasts

[The University of Manchester](#)
[University of Oxford](#)
[BBC](#)
[The Turing Podcasts](#)

Webinars

[IBM Mindspark Webinars](#)

Computer Science Resources

[Issac Computer Science](#)

A free learning platform for A level computer science students and teachers. It is funded by the Department for Education.

[University of Cambridge, Department of Computer Science and Technology](#)

Raspberry Pi is a charity set up to further the advancement of education of adults and children, particularly in the field of computers, computer science and related subjects.

[Grey Campus](#)

A Free boot camp using Python to understand the key steps in the Data Science process such as data cleaning, data exploration, and data visualization.

[Computerphile Videos](#)

Videos all about Computers

Professional Computer Science/IT Bodies

[Chartered Institute of Information Security](#)

[BCS The Chartered Institute for IT](#)

See over for more...

Newspapers/Journals

[Computing](#)

[Computing Security](#)

Books

The following books might be available in a local library, it is not suggested that you buy them.

D. Harel, *Algorithmics: The Spirit of Computing*, Addison Wesley, 2003

A. K. Dewdney, *The New Turing Omnibus*, Palgrave Macmillan, 2004

D. Harel, *Computers Ltd: What They REALLY Can't Do*, Oxford University Press, 2003

Online Learning

Find short online courses based on your subject interests on the following platforms. Courses are usually free and can be completed in a few hours a week over a two- or three-week period. You can usually start courses on a date to suit you. These courses are also known as MOOCS (Massive Online Open Courses).

[FutureLearn](#)

[Coursera](#)

Videos

Explore [Computing related videos on YouTube](#)

See also [TEDx Talks](#)

Public University Lectures and Events

You may also find some relevant public lectures or online events through the following:

[Oxford University Events](#)

[Cambridge University Major Public Lectures](#)

[Edinburgh University Public Lectures](#)

[Gresham Lectures](#)

© FutureSmart Careers Ltd

April 2021