

OCR Level 3 Cambridge Technicals Introductory Diploma in IT

The Cambridge Technicals in IT course is designed to give students an insight into IT and cybersecurity. At The Misbourne, you will be studying the **Emerging Technology Practitioner** pathway. This pathway focuses on the use and development of virtual and augmented reality and emerging technologies for application across a range of sectors, to include: mobile technology, digital marketing and the visualisation of Big Data.

Specification Details

Specification code: 05840

Specification link: This information, as well as specimen, practice and past papers, mark schemes, examples answers and coursework materials, can be found at:

<https://www.ocr.org.uk/qualifications/cambridge-technicals/information-technology/#level-3>

Core Text(s)

Author: Victoria Ellis, Graham Manson, Sandra Middleton (editor: Mo Everett)

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Recommended reading

- Trigger Happy: The inner life of videogames by Stephen Poole
- Oculus Rift 2020-2021 Everything You need to Know about Virtual Reality by Allan Ernsbury
- What is Virtual Reality?: Everything You Wanted to Know Featuring Exclusive Interviews With the Leaders of the VR Industry by Yoni Binstock
- Hackers: Heroes of the Computer Revolution by Steven Levy
- Code: The Hidden Language of Computer Hardware and Software by Charles Petzold
- <https://www.tnmoc.org/>
- <http://pcpro.com/>
- <https://www.theregister.co.uk/>

Recommended preparation

- **Educational visit**

During the holidays we would like you to visit Bletchley park

(<https://bletchleypark.org.uk/visit-us>) to "explore, experience and enjoy the once top-secret world of iconic Codebreaking..." Admission prices range from £11.85 to £19.95 (if booked online).

Task(s) to be completed for September 2021

Please note that the website links in the tasks will take you on to learning resources for GCSE ICT, iGCSE ICT or GCSE Computer Science. This is perfectly fine, as some topics overlap between courses. Just focus on the material which will prepare you for the OCR Level 3 Cambridge Technicals Introductory Diploma in IT course.

Students who do not plan to take this course in year 12, but took the CamNat IT course in year 11 can also complete these tasks to fill any knowledge gaps.

You must complete the [tasks workbook](#) before September 2021 and bring your work to your first lesson.

The task workbook is called [Yr 11 into 12 Bridging the Gap Workbook.docx](#).