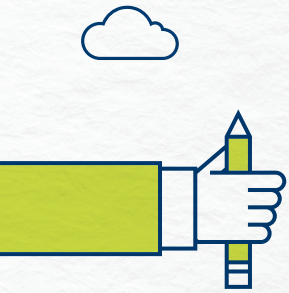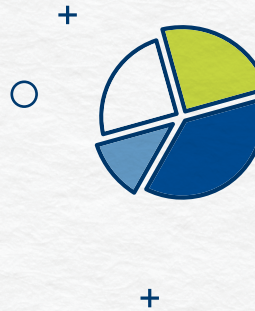# Wider Subject Choice

Curro values each learner's unique interests and life goals, empowering them to pursue their passions. With our innovative approach to education through our wider subject choice offering, Curro Choice, we offer a range of diverse subjects to all Curro high school learners in order for them to customise and personalise their educational journey.

INFORMATION TECHNOLOGY (IT)

Available to:
Grade 10 to 12 learners (IEB and NSC)

AN OVERVIEW

Information Technology is a challenging yet enjoyable subject and is suitable for anyone who has an interest in the various fields of computer science. A good mark in Mathematics is a prerequisite. It is strongly recommended that the learner also takes Core Mathematics as a subject.

THERE ARE FOUR MAIN FOCUS AREAS

1. Systems technologies
2. Internet and communication technologies
3. Social implications of IT
4. Data and information management and solution development

CAREER PATHS

Career opportunities include data analyst, database designer, IT specialist, network specialist, software developer, software engineer, systems developer and many more.

WHAT YOU CAN EXPECT FROM THIS PROGRAMME

The subject demands are great, and a high degree of self-regulated learning is expected from you. Information Technology is divided into a theory section and a practical section, each of which comprises 50% of the curriculum. In the theory component, you can expect to study the following topics:

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- Computer hardware and software
- Basic computer networking theory and skills
- Internet technologies
- Social implications of ICT on such aspects as computer crime, hacking, cracking, and the digital divide
- Aspects of the 'green movement' in IT

In the practical component, you will spend time learning to code in the Java language (IEB schools) and in Delphi (DBE schools). A portion of the practical curriculum is also spent learning some practical database skills, and the Structured Query Language (SQL). During Grade 10 (at DBE schools) and during Grades 11 and 12 (at IEB schools), you will put your practical knowledge to the test by completing a Practical Assessment Task (PAT), in which you will design and code an application of your own.

RECOMMENDED IT LAPTOP

I5 or AMD Ryzen 5 or better

1.8 GHz or faster dual-core or quad-core processor

Minimum 8 GB RAM

Solid-state drive (SSD)

ASSESSMENTS

All the necessary school-based assessments are done virtually by all learners at school or at home, except for the June and November exams. Both virtual quizzes and paper-based assessments are conducted.

TEXTBOOKS

Exploring IT: Java Programming (IEB schools) or *Exploring IT: Delphi Programming* (NSC schools)

Textbooks, stationery and all other learning materials are at an additional cost, billed to the learner's school account.

Interested?

Speak to your head of high school or contact us at **subjects@curro.co.za**.

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