

Ashlawn Transition Year 6 to 7

Subject: ICT and Computer Science

Why is it important to study ICT and Computer Science?

In a world where technology is growing at an exponential rate it is important that you:

- know how to work with new technology
- have a basic understanding of how technology works
- understand how to get technology to carry out simple tasks
- be able to use familiar and new software safely and effectively

How many lessons will I have over two weeks?

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What will I be studying in Year 7?

An equal split between

- ICT (how to use software)
 - Using Google Apps effectively in the classroom
 - The internet
 - How we use it
 - How we create websites
 - How to design and create effective vector graphics
- Computer Science (how to get computer systems to do what you want)
 - Programming using micro:bits
 - How data is stored in a computer
 - The hardware required to build a computer

What subject specific skills will I be developing in Year 7?

- Being an effective and safe user of ICT
- Computational thinking
 - Abstraction
 - Decomposition
 - Problem Solving
- Creativity using ICT

What could I do before I come to Ashlawn to prepare for my studies in >>>>>?

Become aware of what different technology is available to you and how it is used in the world (thinking beyond mobiles, tablet and PC's).

Try some basic programming:

<https://studio.code.org/hoc/1>

What else would you recommend to help my understanding of ICT and Computer Science?

Find out what an algorithm is and try to write some for day to day tasks.