**Getting ready for college**

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| Subject  | Software Design and Development |
| Level | LEVEL 3 |
| Qualification  | Extended Diploma in IT |
| Exam board / awarding body | BTEC Pearson |

**Getting ready to study IT**

To best help you get ready for studying IT, it is important that you understand Software Design and Development. An individual or team of people will have created every program, application or software that you have used; during this, a set process will have been followed.

This skill of understanding the Software Design and Development is transferable to lots of units that you will be studying, especially programming and databases. With this skill, you are more likely to gain university offers and job offers.

During your Software Design and Development lessons, you will be introduced to a number of projects. You will look at what was involved in the creation of these, from small scale to large scale. You will then look at the elements that contribute towards the development of a project and reasons why some fail at each stage.

Below is an image of the Software Development Lifecycle, this is effectively the whole “life” of a software. Please feel free to try to fill out the definitions. I look forward to seeing your answers when you join us in the new term.

Kris Leeson

Lecturer in Computing & Industry Lead



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| **Word** | **Definition** | **What this might involve?**  |
| Planning |  |  |
| Analysis |  |  |
| Design |  |  |
| Implementation |  |  |
| Testing & Integration  |  |  |
| Maintenance |  |  |