



Getting Ahead – Pre-course Work

#ThinkBrock

T-Level Digital Software Development

Welcome to **T-Level Digital Software Development (DSD)**. In preparation for the start of the course, please complete these tasks and have them with you to hand in during your first week of college in September.

These tasks should take you approximately four and a half hours to complete and are designed to give you an introduction to the subject, and the expectations we have for you to complete at least four and a half hours of independent study, per subject, per week.

Task 1 – Skills employers look for

Think about the following skills:

- Communication
- Time Keeping
- Punctuality
- Self-management
- Willingness to learn
- Problem solving
- Professionalism
- Initiative

What do they mean to you? Do they mean the same thing to employers? Create a presentation about **why** these skills are important to employers and **add examples** of how you can demonstrate these skills on a work placement.

Task 2 - Codecademy – Python

Follow the link below and sign up to Codecademy:

[Learn Python 2 | Codecademy](#)

Start to complete the Python course – you get badges the more that you do! How far will you get? (Spend at least 2 hours on this)



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Task 3 – Tech Impacts

Write a 500-word summary on how artificial intelligence (AI) **or** cloud computing is affecting one of the following sectors:

- Education
- Entertainment

Make sure to include both the positive and negative issues.

Task 4 – Flowcharts

Create a flowchart for one of the following processes:

- Ordering some food online
- Cooking your favourite meal
- Withdrawing £30 from an ATM

Think about what steps and decisions are needed

Getting Equipped

You will need the following:

- A ring binder
- Dividers
- Stationery (pens, pencils, a ruler)

Symbol	Name
	Start/end
	Arrows
	Input/Output
	Process
	Decision