**A Level Computer Science**

I am really pleased that you will be joining the Computer Science department in September to study A Level Computer Science

There are a couple of pieces of work which I would like you to do before you join us.

Firstly I would like you to complete an Independent research task on Emerging Computer Technology. In this task you get to investigate any area of emerging computer technology which interests you.

You can pick any area which interests you, but examples could be:

* Artificial intelligence
* Robotics
* Automated self driving cars
* Quantum computing

In no more than ONE side of A4 summarise the area you have chosen under the following four headings:

* What is it?
* What are the possible Social, Moral, Cultural and Ethical benefits of this technology on society
* What are the possible Social, Moral, Cultural and Ethical risks of this technology on society
* My conclusion on this technology and what it will mean for our world 10 years from now

(additional support can be found at

<https://student.craigndave.org/videos/slr-17-ethical-moral-and-cultural-issues> )

You will be asked to present your findings during the first two weeks of the course.

Secondly, if you have not done any programming, or need a refresher then also complete the first 9 tasks at <https://www.learnpython.org/>

I look forward to seeing you in September. If you are unsure of any of the above, or if you have any questions about the Computer Science course, please feel free to contact me via email at any time on m.taylor@fakenhamacademy.org

**Mr M Taylor**