Entry requirements: Students need to be working

towards a minimum of grade 6 in mathematics to

choose this course. If you are not working at this

level, please consider the Digital Information

Technology course.

What will I study?

Students will develop their skills around three

key areas:

• An introduction to the central processing unit

(CPU), computer memory and storage, data

representation, wired and wireless networks,

network topologies, system security and

system software. It also looks at ethical, legal,

cultural and environmental concerns

associated with computer science

• The application of knowledge and

understanding gained in component 01. You

will develop skills and understanding in

computational thinking: algorithms,

programming techniques, producing robust

programs, computational logic and translators

• The opportunity to undertake a programming

task(s) during their course of study which

allows you to develop your skills to design,

write, test and refine programs using a highlevel programming language. You will be

assessed on these skills during the written

examinations, in particular component 02

(section B).

How will I be assessed?

• Parts 1 and 2 are assessed through an external

exam

• Part 3 is assessed through moderated teacher

assessment.

What careers will this give me access to?

Studying this course will give you access to further

and higher education courses that in turn will

prepare you for a career in the following areas:

software developer, database administrator,

computer hardware engineer, computer systems

analyst, computer network architect, web

developer, information security analyst, computer

and information research scientists, etc.

What do current students say about the

course?

“Computer science is really interesting. I am

currently creating software with python and

learning how a PC works. I would recommend this

course to anyone who has an interest in computers

and coding.” – ZP, Year 10

Who do I speak to for more information?

• Mr Thompson – Head of Creative Arts and

Technology

Who would enjoy and be successful on this

course?

✓ Students who want to learn programming

✓ Logical thinkers

✓ Creative designers

✓ Mathematics thinkers