

INFORMATION TECHNOLOGY AS SUBJECT

SACS COMPUTER CENTRE

INFORMATION TECHNOLOGY

M Scordilis

SACS COMPUTER CENTRE

South African College High School

SACS HOSTS THE WCED CENTRE

M Scordilis

FULL TIME/PART TIME

Write same tests and examinations

IT is offered as a full time or part time subject

PART TIME CLASSES

Lesson Times: Teaching commences at 3.20. The last 15 minutes is used for pupils to complete work or ask questions.

PART TIME CLASSES

- Full Time Selection
 - Academically strong particularly Maths and Eng.
 - Have a specific reason for selection e.g. career, strong interest. NOT to avoid another subject
- Part Time Selection
 - Academically want to include an additional subject for university entrance/interest etc
 - Want to assess the subject.
 - Can change from part time to full time
 - A year fee is charged to cover administration costs (printing, books, tutor etc).

IT IS PROBLEM SOLVING

ALGORITHMS

Thinking out solutions

CODING ALGORITHMS

```

x = 10;
y = 5;
if (y != 0) //not
    ans = x / 5;
else
    ans = y;
    
```

Java code

PRACTICAL / THEORY

PRACTICAL WORK (60%)

THEORY WORK (40%)

Set out in CAPS Curriculum Assessment Policy Statements

Pupil registered with the Department as a subject. Mark on formal report.

PRACTICAL / THEORY

PRACTICAL WORK

Introduction in Grade 10 using Scratch.

Java / Graphical Event Driven programming and database programming - G11/12.



STUDIES/CAREERS

Computer Science/Engineering/Business Science. Universities, Colleges.

System Analysts. Systems analysts interact with clients, meeting with prospective customers and determining needs through interviews and observation.

Programmers. Taking information provided by systems analysts or software engineers, a computer programmer writes the computer program

Computer Software Engineer

Computer software engineers are responsible for the design and development of computer software.

Information Systems Manager. An information systems manager's main responsibility is to assure that an organization possesses the necessary technology to meet its goals.

OTHER REASONS

Universities Entrance – English/Best 5

Problem Solving and thinking skills

Enhancement of Career Opportunities outside of Programming

All round understanding of Information Technology

BE AWARE



- Be aware:
- Large classes.** SACS hosts the WCED computer centre. The centre enrolls as many pupils as possible as few schools are able to offer the subject. Further the selection process cannot be too restrictive as this may exclude pupils who would have completed the course.
- Learning requires active participation. Pupils will have to engage with the notes and programs. "Passive teaching is not possible"
- Complete the assessment form and submit for processing. (For SACS boys this will be handed once subject form has been completed).

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INFORMATION TECHNOLOGY

APPLICATION FORM FOR INFORMATION TECHNOLOGY 2016

DATA Return this form to the subject advisor at your school. Applications must be submitted, latest, by the 1st week of the fourth term. PLEASE WRITE OR PRINT CLEARLY

Parents Title (Mr/Mrs/Dr etc) _____ Initial _____ Surname _____

PUPIL Surname: _____

First Name: _____

School: _____

Address _____

Home Phone: _____

Parent Email _____

Pupil Cell _____

TICK Preferred day of Attend: _____

ASSESSMENT Discuss your commitments and abilities with your parents so as to arrive at a realistic assessment. The school's rating is to be completed by a relevant teacher.

WRITE DOWN A SCORE between 1 and 5 where
1 = low, 3 = average, 5 = high.

	Pupil's Rating	Parent's Rating	School's Rating
	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5
Strong all round academic ability with ability for logical mathematical thinking (70%+) and strong language comprehension.			
Ability to give attention to detail			
Responsibility in completing tasks			
Capable of independent learning using notes			
Focused concentration			
Strong self motivation and perseverance			
Able to work independently in a large group			
Adequate after school time to commit to IT			

Signature of Parent _____

School's Recommendation: Highly Recommended Recommended Not Recommended

Return Address: SACS, Newlands Ave, Newlands, 7700
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