Why choose Business Studies and Computing in S3?

Subject Choices

- Business Management
- Administration and IT
- Accounting
- Computing Science

Business Management

Topics covered are divided into three main areas of study

- Understanding Business
- Marketing and Operations
- Finance and Human Resources (HR)

Students are also taught using real life examples from

- Case studies

After S3 Business

- In School
  - National 4/5 Business Management
  - Higher Business Management
- After School
  - College
  - University
    - Events Management
    - Human Resources
    - Marketing
    - Accounting
    - Teaching
    - Management
    - Own a business

Administration and ICT

Topics covered

- Word Processing
- Databases
- Spreadsheets
- Publisher
- PowerPoint
- Email
- Electronic Diary
- Internet
- Legislation
- Customer service
- Administrative duties

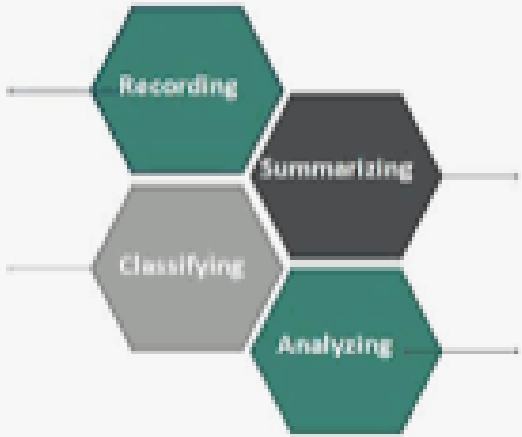
After S3 Administration

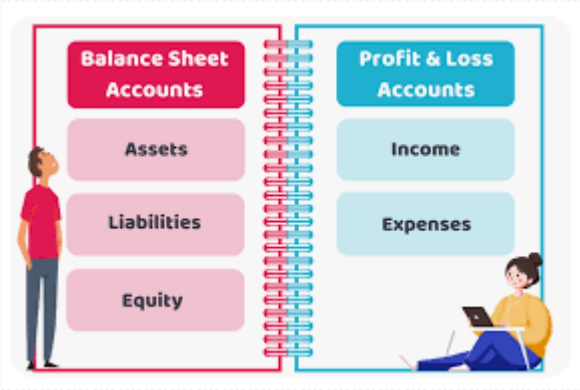
- In School
  - National 4/5 Administration and IT
  - Higher Administration
- After School
  - College
  - Office work
  - Receptionist
  - Personal Assistant
  - Administrative Assistant
  - Secretary
  - Any job where you use computers!!

Accounting

Two main topics

- Financial Accounting
- Management Accounting





Accounting

In Financial Accounting you will learn about:

CORRECTION OF ERRORS

SOLE TRADER

LEDGER ACCOUNTS

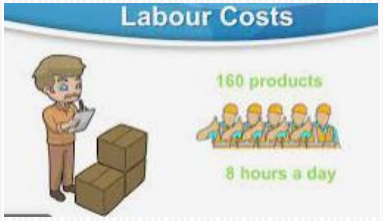
ROLE OF FINANCIAL ACCOUNTANT

Sources of Finance

Accounting

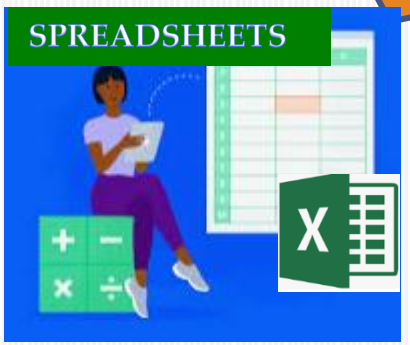
In Management Accounting you will learn about:

Role of a Management Accountant



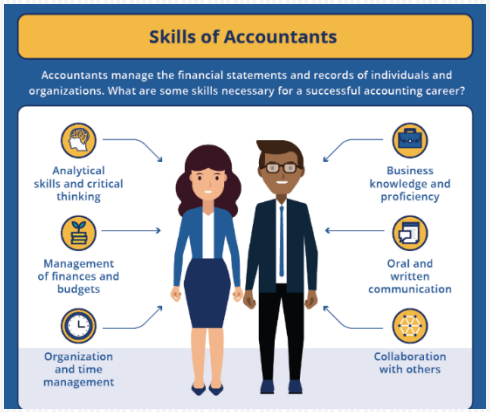
OVERHEAD ANALYSIS

Inventory Record Cards



Careers for Accounting

- Chartered Accountant
- Chartered Certified Accountant
- Chartered Management Accountant
- Chartered Public Finance Accountant
- Company Secretary
- External Auditor
- Forensic Accountant
- Stockbroker



Computing Science

- Some of the content of the course

Animation

Technology

Game Design

Computing Science

- Some of the content of the course

Web Design

Database Design

Internet Security

Careers for Computing Science

- Software Developer
- Computer Systems Analyst
- Computer Systems Engineer
- Computer Programmer
- Aircraft Controller
- Web Designer
- Business Intelligence Analyst
- Games Designer

What do we do in Computing in S3?

- Learning and researching how technologies work: GPS, debit card…

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- Textual programming:
  - Small Basic to create graphics
  - Python to control circuits (Raspberry Pi)

- Computing systems: Operating System and networking (using Raspberry Pi)
- Databases

Computing – more detail
What do we do in N4/N5?

N4

- Programming: Scratch, Python and paper (pseudocode, flowchart)
- Website creation: HTML
- Computer Systems: How computer works (Binary, Components)
- (optional) Databases: graphic interface

N5

- Programming: Python paper(pseudocode, flowchart)
- Website creation: HTML, CSS
- Computer Systems: How computer works (Binary, Components, Compression)
- Databases: SQL

40% to 50% of the marks!!!

The real difference

N4

- Unit assessment, in class
- More practical tasks
- More time to build a good foundation

N5

- Practical coursework
- Final paper exam
- More theory involved. Practical still important
- Advanced coding skills: CSS, complex loops (python), arrays
- Less time to build our skills (more content)

Skills required: Programming is key

N4

- Being able to follow instructions rigorously
- Being able to write code

N5

- You will have to explain and write complex code

Why Computing?

Computing skills are important for **engineers**, **physicists**, **mathematicians**, **researchers** and all kinds of jobs:

- **Archaeologists** write programs to piece together fragments of ancient ruins.
- **Economists** apply deep learning models to financial data.
- **Linguists** write programs to study statistical properties of literary works.
- **Physicists** study computational models of the universe to analyse its origins.
- **Biologists** seek patterns in genomes.
- **Musicians** and **artists** work with synthesized sound and with digital images

- And that doesn't even include careers in the **Computing Industry**

In short: If you are interested by a career in engineering or research, Computing skills will almost certainly be required

Questions?

Current S3 pupils say

The teachers are very helpful and supportive

It opens doors to possible career choices

It's fun with lots of different activities

Love getting to create animations and games

It's a great way to find out about the world of work

I learnt lots of new skills

I learnt how businesses finances can relate to how I manage my own money

I love getting to make and sell my own products