VCE and VET Information Technology
COURSE STRUCTURE

The VCE study is made up of six units:
- Units 1 and 2: IT – Apps and Programming
- Units 3 and 4: IT applications
- Units 3 and 4: Software development

VET:
- Certificate III in Info Tech
  - (Games Creation)

NEW subject – Algorithmics
- First Year University level computer science
ENTRY

• VCE
  – There are no prerequisites.
  – Students may elect to do Unit 3/4 in Year 11.
  – Students may elect to do all six units in this study.
  – Students may elect to do VCE and VET

• VET – 2 year course
  – Students must complete Unit 1 and 2 before Unit 3 and 4.

• Algorithmics
  – Maths Methods 1-2 – prerequisite.
Who are you?

• You would choose Information Technology if:
  – You want to work in an IT career
    • Programming, game development, database administrator, software engineer, network technician……
  – You want to improve your IT skills and knowledge.
    • Protect yourself from malware, avoid identity theft...
    • Use IT more effectively.
VCE Unit 1 and 2

• Web authoring and development.
  • Web sites – Adobe Dreamweaver
  • Photo editing – Photoshop.

• Problem solving software.
  • Database - Microsoft Access.
  • Spreadsheet - Microsoft Excel.

• Programming.
  • Visual Basic.NET

• Networking.
  • Security, protocols, hardware....
VCE Units 3 and 4: IT applications

- Web authoring and database management
  - Dreamweaver, Flash, Microsoft Access.

- Spreadsheet.
  - Microsoft Excel.

- Image editing software.
  - Adobe Photoshop.

- Threats to data and information - Security
  - Viruses, phishing, trojans, hacking, identity theft.....
VCE Units 3 and 4: Software development

- Networked information systems
  - Types, threats, security, hardware devices etc.
  - Viruses, hacking, disaster recovery, phishing, denial of service attacks, etc.
  - How computers work.

- System development
  - Systems Analysis.
  - Creating a new system, changing a current system.

- Programming
  - Data structures and Control structures.
  - Visual Basic.NET
VET Certificate III (GAMES CREATION)

- Working with digital images
- Creating Animations
- Programming Code / scripting
- Games for mobile devices
- Computer Hardware
- Playing and reviewing games on Xbox and PlayStation
VCE Algorithmics Unit 3 and 4

- Exciting new subject for 2015.
- (HESS) - Higher Education Scored Study
- It’s a new, unique VCE subject.
  - First year University content at VCE level.
- Supported and resourced by Monash and Melb. Universities.
- Accelerated pathways, credits, waivers.
  - Students studying Computer science will be able to skip first year in some subjects at Monash and Melbourne Unis.
- Full VCE subject with assessment tasks and exam (60%)
- Will most likely be scaled up.
- Fundamentally - science and mathematics based.
More Information

• If you have any questions please come and see me or e-mail me.

– Peter Hatigan

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