Subject selection

Year 10

2013
KLA Presentations

- ICT
- English
- Maths
- Science
- Humanities
- Health/PE
- LOTE
- Performing Arts
- Art
- Digital Media
- Tech / Textiles
- Food
- VCAL
- Careers/MIPS
Information Technology at Year 10

Information Technology Applications (ITA)

ITA at Year 10 covers a wide range of topics including:

- Impact of Technology / Data Visualisation
- Web Design and Development (CSS)
- Use of the Office suite
- Networks and Hardware

You will also complete a web based portfolio for this subject.

Information Technology: Programming (ITP)

ITP at Year 10 involves the use of a scripting language. Using this scripting language students will follow IT design and development techniques to create their own game.
Information Technology Streams for VCE

Year 11

- Information Technology Applications

Year 12

- Information Technology Applications
- Software Development

**(Or you may wish to elect to undertake both ITA and SD)**
ITA - Networking
Website
Design and Production
What is Animal Uproar?

Your home is being burned to the ground and there is nothing you can do about it but watch it burn in front of your eyes. He family, his friends... all gone. Zulu\'s, the witchdoctor of his tribe, lost everything when his village was burned to the ground by the Harvest Industries. But Zulu\'s isn\'t completely on top, summoning animals from across the globe to help him slowly reclaim the destroyed jungle and work his way to his ultimate goal and claim his revenge. Industry Headquarters in the large city.

Do you choose to ride with Zulu\'s? Fight for Zulu\'s and his army and prove your worth. Control dozens of different animals and as you gain Zulu\'s trust, he will allow you to control more and more powerful and majestic creatures. Your animal army will start small and it won\'t be long before you running through city streets tearing things up with a grin box, or sweeping over savannahs staining your prey as a majestic eagle. As your animal army grows, you discover huge range of customization as you break and change your animals to your own personal desires changing different skins, species, combat armor, pouches for your gorilla and so much more. Every animal has its own specialty and it\'s up to you to use these to your advantage to take down enemies and navigate difficult terrain.

What platforms is it on?

Game Design Essay

My Game design concept for Animal Uproar has only positive outcomes for the consumer and the developer. My game design is simple enough to target the large market of casual gamers and deep enough to bring these players and making these come back for more. This market is huge and this is not a casual game allowing for the gamer to target this large group, entertaining.

Download Gameplay Vid: 175mb

Story Synopsis

In the near future the greedy corporate mining company Harvest Industries has decided against popular vote to go ahead and expand its mining operations. The plan was simple enough, to mine ore up on the outskirts of Vista City, drawing several hundred kilometers of jungle and set up operations for mining and end. The Company CEO, Jameson, knows better.

Download Story.mp4: 175mb

Web Advertisement

Your home is being burned to the ground and there is nothing you can do about it but watch it burn in front of your eyes. Family, friends... all gone. Zulu\'s the witchdoctor...
Another life awaits to be taken by the harsh government, but you are the only one who can make things right. Your best friend has been sentenced to death for government espionage and it is up to you to save him.

In the future, man-kind has re-colonised below the surface due to the erosion of the ozone, making the surface of the earth uninhabitable.

You are one of the very few humans who can traverse the harsh surface of the earth, which has been turned into a dry wasteland due to the erosion of the ozone. The only things inhabiting the earth are the creatures that evolved into ferocious beasts in order to survive & the mysterious rebel colony who

Script
The scene scripted details the protagonist's first meeting with the surface rebels. A conversation with the rebel's leader ensues and a shocking secret is revealed. A copy of the script can be accessed through the link to the left.

Synopsis
A synopsis is a short piece detailing the game's concept, plot and interactions. A copy of the synopsis can be accessed through the link to the left.

Focus audience
The focus audience is the demographics of people the game is targeted towards. It is usually written at the same time as the synopsis. A copy of the focus audience written piece can be accessed through the link to
Another life about to be taken by the harsh government, but you are the only one who can make things right. Your best friend has been sentenced to death for government espionage and it is up to you to save him.

In the future, man-kind has re-colonised below the surface due to the erosion of the ozone, making the surface of the earth uninhabitable.

You are one of the very few humans who can traverse the harsh surface of the earth, which has been turned into a dry wasteland due to the erosion of the ozone. The only thing inhabiting the earth are the creatures that evolved into fierceous beasts in order to survive & the mysterious rebel colony who

**GAME**

**DEVELOPMENTAL WORK**

**WEB FOLIO**

---

Script

The scene scripted details the protagonist’s first meeting with the surface rebels. A conversation with the rebel’s leader elicits and a shocking secret is revealed. A copy of the script can be accessed through the link to the left.

Synopsis

A synopsis is a short piece detailing the game’s concept, plot and interactions. A copy of the synopsis can be accessed through the link to the left.

Focus audience

The focus audience is the demographics of people the game is targeted towards. It is usually written at the same time as the synopsis. A copy of the focus audience written piece can be accessed through the link to
All students in Year 10 must study English.
There are two elective English subjects at Year 10:

• English Literature
  and
• Extra English

Students may choose one of these electives subjects in addition to English.....
English Literature

Students who

- are good at English
- like reading
- like discussing and debating
- like writing creatively
Extra English

Students who

- want to successfully complete VCE
- need more time and assistance to develop English skills required for VCE
- want to become more confident when using English
Mathematics Pathways

\[ y = mx + b \]
Maths Pathways

Year 10
- Foundation Maths
- Year 10 Further
- Year 10 Methods
- Enrichment Maths (elective)

Year 11
- Foundation Maths
- General Maths Further
- Maths Methods
- Maths Methods and General Maths

Year 12
- Foundation Maths
- Further Maths
- Maths Methods
- Maths Methods and Specialist Maths

Foundation Maths does NOT lead into Year 12 Maths
Year 10 Science

All Year 9 Students select the Science Units they wish to take in Year 10:

Science Units offered

- Genetics and Environment - An Introduction to Biology
- Chemical Patterns and Reactions - An Introduction to Chemistry
- Science of the Road – An Introduction to Physics
Genetics and Environment – An Introduction to Biology

A valuable unit for students who are interested in studying VCE Biology.

Genetics
Inherited Characteristics
Diseases

DNA Structure and Function
Biotechnology

Marine Science
Oceanography
Chemical Patterns and Reactions – An Introduction to Chemistry

A valuable unit for students who are interested in studying VCE Chemistry.

- Elements
- Atomic Structure
- Chemical Patterns and Behaviour
- Chemical Formula
- Carbon Chemistry
- Types of Reactions
- Chemical Equations
Science Of the Road – An Introduction to Physics

A valuable unit for students who are interested in studying VCE Physics

- Materials
- Energy
- Generators
- Electricity
- Car Safety Features

- Forces
- Speed
- Acceleration
- Motion
- Collisions
Students who intend to study VCE Science Units are recommended to take a combination of Year 10 units.
If you are unsure about selecting Science Units you should see your Science teacher.
Tertiary Courses and Careers

Often Require Specialized Science Subjects

Check Bulleyes Diagrams and speak to the Careers Teacher

Do you enjoy or are you good at PSYCHOLOGY?

Have you considered the occupations above?
What is Humanities?

- Humanities are academic disciplines that study the human condition, using methods that are primarily analytical, critical or speculative.
- Humanities investigates human concerns and social relations.
Why study Humanities?

- Research Skills (how to find information)
- Communication (how to present information to others)
- Vocational Opportunities - Careers
- Enjoyment
Year 10 Humanities

- Commerce
- Geography
- History
- Environmental Studies

Note: All subjects are a semester in length
Year 10
Humanities

- Commerce
  - The Law, Money, Politics, Economics and Business
Year 10
Humanities

- Environmental Studies
  - Current Issues include
    - Global warming, Access to Fresh Water, Biodiversity, Wetlands and Ecosystems
Year 10
Humanities

Geography
– Urbanization – Cities
– Coasts - Formation and Management
Year 10 Humanities

• History
  – Australian History
    • Post WWII – Second Half of the Twentieth Century
      - Cold War
      - Apartheid
      - Vietnam War
      - The Rock and Roll Generation
VCE Humanities Unit 1&2

- History
- Geography
- Accounting
- Legal Studies
- Economics
- Business Management
VCE History

- Units 1&2 - 20th Century History
- Unit 3&4 Revolutions - Russian and American
VCE Geography Units 1&2

- The study of People and Places – local and global.

- How to be a good Global Citizen – using the world’s resources responsibly.
VCE Accounting Units 1&2

- Reporting and Recording of Business Financial Transactions
The study of the Australian Legal System, in areas of Criminal & Civil Law.
VCE Economics Units 1&2

- The study of Supply and Demand, as well as, Goods and Services.
- How to be an informed citizen.
The study of small business in Australia.
Communication and Management within business.
Health and Physical Education

- Return to main page
WHAT WORK OPPORTUNITIES ARE THERE FOR LANGUAGES?
An obvious area is food but it doesn’t mean you’re limited to restaurants!
HERE ARE SOME EXAMPLES
COMMUNICATING...

• Radio announcer at SBS

• Tv presenter \ sport reporter on SBS

• Journalist \ fashion writer
MATHS\ECONOMICS...

• Italian Chamber of Commerce & Industry
• International French Associations
• Diplomatic service
• Embassies
• Engineering
• Business consultant
• Lawyer: international law firm
• Human Rights advocate
• Legal advisor
• International relations advisor
LANGUAGES...

- School exchange organizer
- Interpreter and translator
- Language teacher
- Social worker
- Coordinator - University Overseas Study Program
INTERNATIONAL STUDIES...

• Embassies

• Political adviser

• Customs official
ARTS and DESIGN...

- Interior design
- Furniture design
- Fashion
- Chef
TRAVELLING...

• Travel agent
  • Tour guide
• Travel writer
  • Exchange student
Immersion

• Content based learning will continue for Yr 9 Immersion students

• Units of work may include units on Psychology, Classical Studies, Sport and Humanities.

**ONLY OPEN TO CURRENT IMMERSION STUDENTS**
EXCHANGE PROGRAM FOR STUDENTS OF ITALIAN

• Destinazione Italia 2013:
Next year 15 – 20 students will be traveling to Italy for 3 weeks in September. Applications available soon.

• July 2014
Destinazione Oz:
Meet our exchange students from Italy
Year 10 Ceramics
Curriculum

Discover and practice sculptural styles and techniques from around the world.

• Practical Techniques
• Practical Assessments
• Cultural & Research Tasks
• Exam

...And then what?

Explore and develop your own sculptural style in VCE Art or Studio Art.
Curriculum

- Practical Techniques
- Exploring different mediums
- Create 2D and 3D works
- Express and discover your style
- Cultural & Research Tasks
- NGV Excursion
- Exam

...And then what?

Continue to explore and develop your own creative style in VCE by studying Art or Studio Art. Consider and explore careers in design, fashion, film & television...
Year 10 Visual Communication Design
Curriculum

- Technical Drawing
- Experimenting with different materials
- Creative Design Tasks
- Research Tasks
- Developing technique & creativity
- Adobe Design Software Skills
- Exam

Careers

‘Design is the quickest and largest growing business in Australia offering extremely interesting and well paid careers’ – The Age April 2011
New in 2013
Year 10 Architectural VCD
Curriculum

- Architectural floor plans in accordance to Australian standards.
- Presentation of a 3D model.
- Ability to follow the design process.
- Research Tasks
- Exam

Careers

*Architecture is the art and science of designing buildings and other physical structures.*

An architect combines creative design with a wide range of technical knowledge to provide solutions for the built and natural environments.

Employment of architects is projected to grow faster than the average for all occupations through 2018.
…to design all the things that we need and want…
...And create visions for our future needs and wants...
The arts teach students that problems can have more than one solution and that questions can have more than one answer.

DIGITAL MEDIA

Year 10 Media
Year 10 Photography
VET Interactive Digital Media (Units 1 and 2: Creative Industries)
• Year 10 Media is a practical based subject
• Students watch a wide range of films and with this learn the fundamentals of how a film is constructed and understood by audiences.
• Students then apply this analysis of film texts by making their own video productions. Students have the chance to prepare a video production from the planning through to shooting and editing.
• Students are expected to produce their own horror film trailer and music video.

YEAR 10 MEDIA (FILM)
• Year 10 Photography is a practical based subject
• Students learn how to operate a modern digital SLR camera with an understanding of a wide range of technical skills.
• Students get to exercise these skills taking photographs around the school.
• Photography projects are design and skill based.
• Students have the chance to look at a range of work from multiple photographers
YEAR 10 PHOTOGRAPHY EXAMPLES
YEAR 10 PHOTOGRAPHY EXAMPLES
The course is managed by Victoria University, but taught by our teaching staff.

Students will be required to use a variety of multimedia software, including Photoshop, Flash, and tools to manipulate audio to create animations, posters, and websites.

Students will work on a number of projects throughout the year and can enter a number of competitions.

VET: Interactive Digital Media (Units 1 & 2: Creative Industries)
This can be selected at year 10 level
TECHNOLOGY

YEAR 10 MATERIALS AND SYSTEMS

YEAR 11 SYSTEMS ENGINEERING UNITS 1,2

YEAR 12 SYSTEMS ENGINEERING UNITS 3,4

YEAR 10 TEXTILES

YEAR 11 PRODUCT DESIGN AND TECHNOLOGY UNITS 1,2 TEXTILES OR WOODWORK

YEAR 12 PRODUCT DESIGN AND TECHNOLOGY UNITS 3,4 TEXTILES OR WOOD
YEAR 10 MATERIALS AND SYSTEMS

- Practical projects including a cheval mirror and a computer controlled electronic project
- Bookwork, research assignments, CAD drawings
- Exam based on theory and practical knowledge
- There is a $25 fee for this subject
YEAR 10 STUDENTS WORK
YEAR 11 & 12 STUDENTS WORK
YEAR 11 & 12 STUDENTS WORK
MATERIALS & SYSTEMS LEADS TO CAREERS IN......

- Engineering – mechanical and electrical
- Electrician
- Computer/TV/Video repair
- Carpentry
- Furniture design
•Five practical projects
  * Folio of Technique samplers- seams, gathering, zips, felting
  * Vintage Remake Project
  * Free-form bag design and design brief
  * Embroidery / Basket weaving
  * Fashion Illustration
  * Garment construction

•Written tasks, Research Assignment and tests
•Exam based on theory and practical knowledge
•There is a $35 fee for this subject
• Source vintage material and make a contemporary garment, or:
• Source a vintage garment and update it to today’s fashion.
Bag Project: Designing to a Brief
EMBROIDERY / BASKET WEAVING
FASHION ILLUSTRATION

• Design a collection to a theme
• Illustrate and present your collection

GARMENT CONSTRUCTION

• Learn how to read a sewing pattern
• Make a dress or shirt or skirt or shorts…
YEAR 11 STUDENT PROJECTS
Textiles Leads to Careers in...

- Fashion Design
- Clothing Manufacture
- Fabric Design & Manufacture
- Fabric dying and finishing
- Fibre Production
- Fashion Retail/Business ownership
Year 10
Food & Technology
2013
Year 10 - 2013

- Levy $90 (fee’s need to be paid to secure a spot in 2013)
- Students build on previous skills and knowledge
- Leads into VCE Units 1 - 4
Key Knowledge

• Hospitality – obtaining the necessary skills cooks would in commercial kitchens.
• Nutrition – How does food play a vital role in our daily lives?
• Design process – seeing a project from start to finish.