

Overview

- In each unit students will complete practical activities to introduce relevant skills which they will then develop and demonstrate in a unit project.
- Theoretical concepts will be covered as an introduction to key processes or as they link with the practical exploration.
- There will be both individual and group tasks. We encourage creativity and want you to complete projects of high quality.
- Choosing a Computer Science subject will allow you to develop a range of digital literacy and creativity skills that can use in other subjects and in your future endeavours.

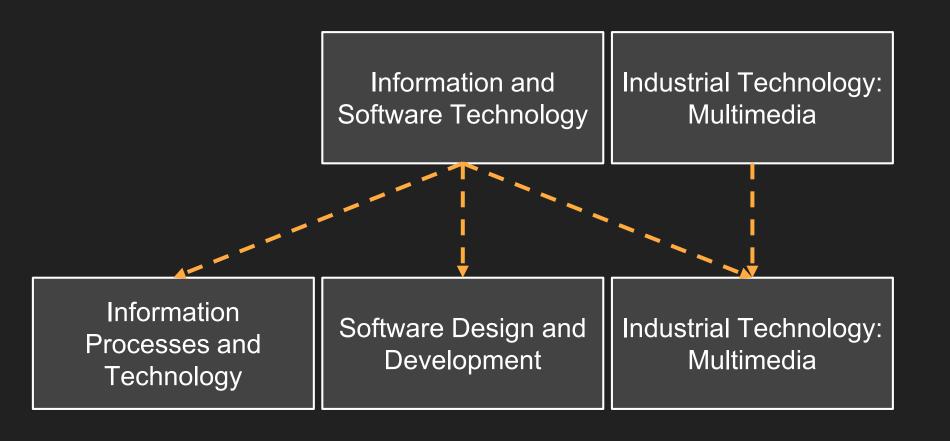
Information and Software Technology

Year 9	Year 10	
Topics (10-11 week units)		
Digital Media	Web Design in HTML/CSS	
2D Animation	Film and Audio	
Programming in Python	Robotics	
3D Animation	Personal Project	
Software		
Photoshop, Illustrator, Sketch-up, Animate, Grok Learning, IDLE, Blender	Premiere Pro, AfterEffects, Grok Learning, Dreamweaver, Lego Micropython	

Industrial Technology Multimedia

Year 9	Year 10	
Topics (2x16 week units + 6 week unit each year)		
Graphics and Web Design	Game Design	
Film, Animation and VFX	UI/UX Design + App Development	
3D Animation	Personal Project	
Software		
Photoshop, Illustrator, Grok Learning Dreamweaver, Premiere Pro, AfterEffects, Blender	Unity, Blender, Adobe XD, AppLab	

Relevance to Stage 6 Subjects

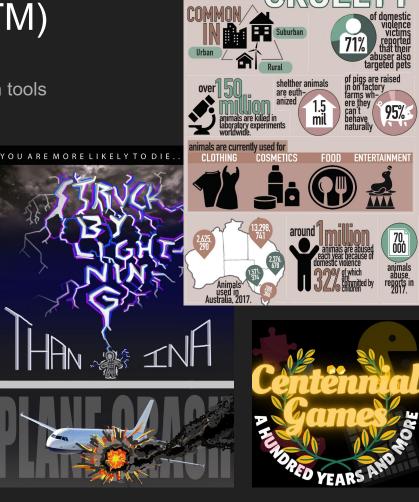


Example Work

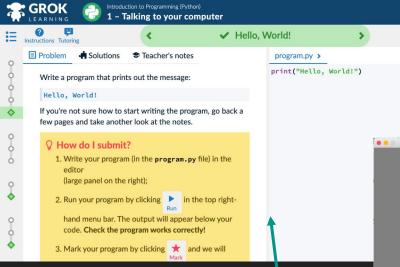
GRAPHIC DESIGN (IST + ITM)

Learn about design principles and how to apply these with tools and techniques in Photoshop and Illustrator.



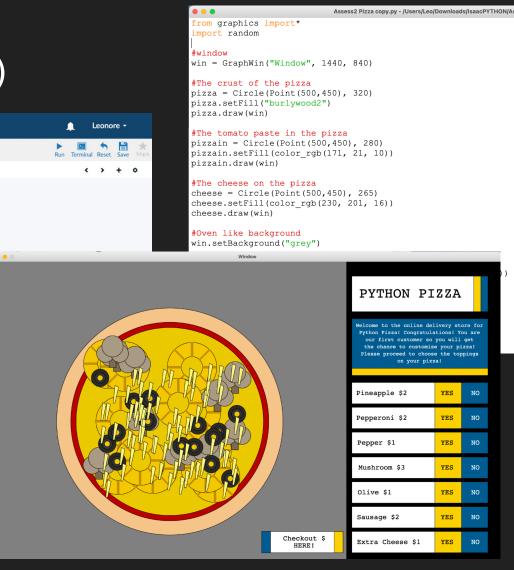


PROGRAMMING (IST)



Learn python in an interactive learning environment that gives you live feedback, and with opportunities to compete in coding competitions.

Then get creative with code as you program art.



WEBSITE DEVELOPMENT (IST and ITM)

Learn HTML5 and CSS to build professional looking websites





Green Sea Turtles

The green use turtle (Chelenia mydata, also known as the green turtle, black (seed) turtle or Psetfic green turtle, its aspecies of large sea turtle of the family Chelenidae. It is the only species in the gerent Chelenia its range extends from togolout repoical and subtropical sease around the world, with two distinct populations in the Allantic and Pactific Oceans, but it is also found in the Indian Ocean. The common name refers to the usually green fall found beneath its carapace, not to the color of its carapace, which is often to black which is often to black the other control of the carapace in the control of the carapace in the control of the carapace.

This sea turtle's dessewertably flattened body is covered by a large, tearforp-shaped carapace: It has a pair of large, paddie-like flippers. It is usually lightly colored, although it when eastern Pacific populations parts of the carapace can be almost back. Unlike other members of its family, such as the hawkstill sea turtle. C. mydas is mostly herbivorous. The adults usually inhabit shallow lagons, feeding mostly on stronion species of seegarsses. The turtles lite of the tips of the blade of seagarsses, which keeps the gass healthy. Like other sea turtles, green sea turtles migrate long distances between feeding grounds and halching beaches. Many islands worldwide are known as Turtle island due to green sea turtles nesting on their beaches.

Description

Its appearance is that of a typical sea turtle. C. mydas has a dorsoventrally flattened body, a beaked head at the end of a short neck, and paddle-like arms well-adapted for swimming. Adult green turtles grow to 15, beneries (51) long. The average weight of mature individuals is 68-190 kg (550-449 lb) and the average carapace length is 78-112 cm (31-44 in). Exceptional specimens can weigh 315 kg (694 lb) or even more, with the largest known C. mydas having weighted 55 kg (871 b) and measured 155 cm (160 in) in carapace length is 78-112 cm (31-44 in). Exceptional specimens can weigh 315 kg (694 lb) or even more, with the largest known C. mydas having weighted 55 kg (871 b) and measured 155 cm (160 in) in carapace length is 78-112 cm (31-44 in). Exceptional specimens can weight a support of the control of the control of the control of the largest have control of the control of the

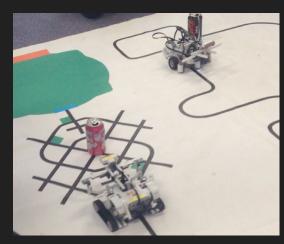
Distribution

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 Snowy Owls
<div class = "banner-image-container" alt = "Snowy forest on a mountain" id = ":</pre>
<a href="#Introduction">Introduction</a>
 <a href="#Distribution and Habitat">Distribution & Habitat</a>
 <a href="#Behaviour">Behaviour</a>
 <a href="#Natural Threats">Natural Threats</a>
 <a href="#Conservation">Conservation</a>
 <a href="#References">References</a>
<div class = "sticky-head-container">
  <h1 class = "head-container">
   Snowy Owls
<div class = "body-container">
 <h2 class = "subtitle">Introduction</h2>
 The snowy owl (Bubo scandiacus) is a large, white owl of the typical owl far
   Bird nest#Ground and mound nests" target = "_blank">ground nester</a> that |
 <div class = "body-image-container">
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     <img class = "body-image" src = "Olexandr images/owlStaring.png" alt = "S.</pre>
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ROBOTICS (IST)

Work in teams to build and program Lego robots to meet challenges







FILM + ANIMATION (IST + ITM)







Learn about the power of sound in film and how to design and record sound fx, dialogue/narration and music



Explore stop motion and the link between film and animation Learn about creating visual effects in After Effects and apply these in your own short film





Practice your skills in Premiere Pro using professional footage



Animate in After effects to create impressive motion graphics

FAQ

Can I do both Stage 5 computing subjects?

Unfortunately due to limited spaces and the cross over in content, you can only do IST OR ITM.

What kind of computer do I need?

Although you will be in a computer lab most lessons, you are expected to have a BYOD that meets the specifications so it can run the required software. This means you need a laptop with at least 8 GB RAM, 120GB storage and ideally at least a 7th gen processor. If you are concerned about having the right device talk to Ms Carr about your options including getting an equity device. Not having the right computer should NOT be a reason you don't choose a computing subject.

Do I need to do Computer Science in Stage 5 to do it in Stage 6?

No, Stage 6 computer science courses do not have prerequisites, however, completing either stage 5 course will give you an excellent foundation for your stage 6 learning.

Making the Right Choice

- Choose subjects based on your interests not on what your friends are doing.
- Computer Science subjects are highly practical but it is all about you creating so there will be no time for just watching or playing.
- We have limited places next year, so put IST or ITM high on your preferences if you want to get in!
- If you are still unsure about which subject to pick, contact Ms Carr with any additional questions you may have - leonore.carr@det.nsw.edu.au
- To see this presentation again, scan the QR code or go to

http://bit.do/CHSCompSciStage5