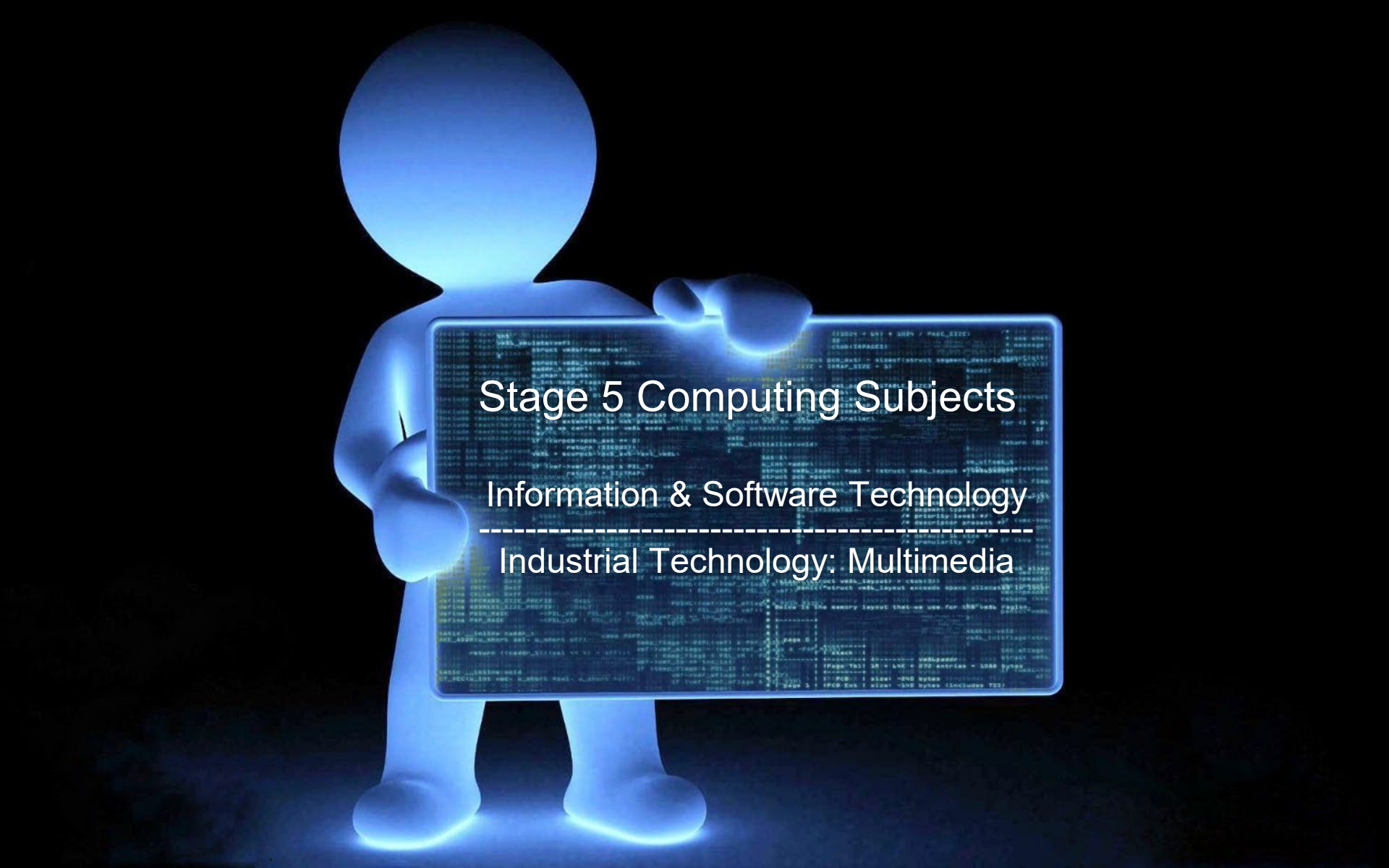

Stage 5 Computing Subjects
Information & Software Technology

Industrial Technology: Multimedia

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.

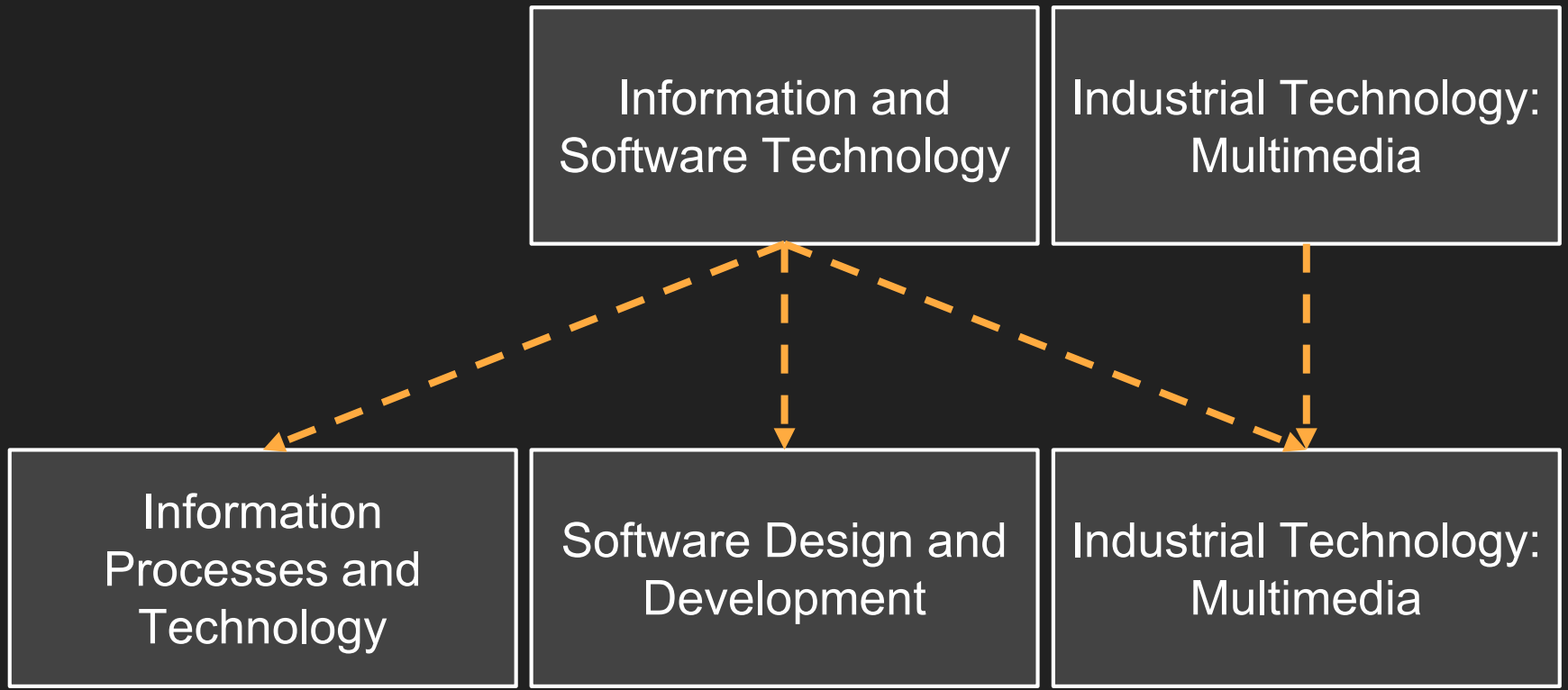
Information and Software Technology

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

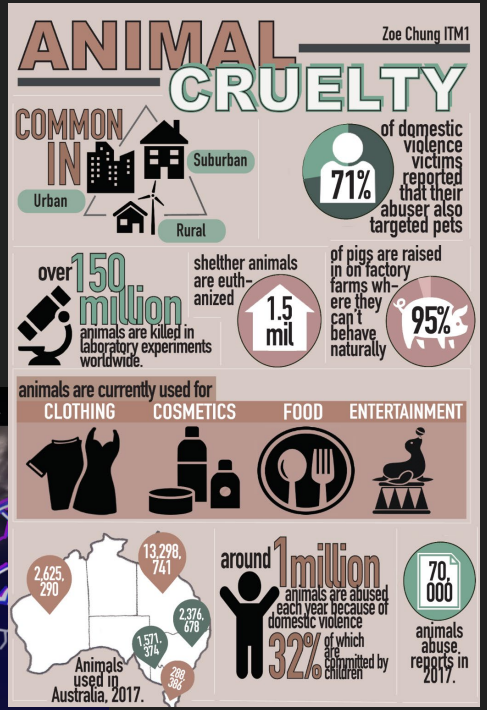
Relevance to Stage 6 Subjects



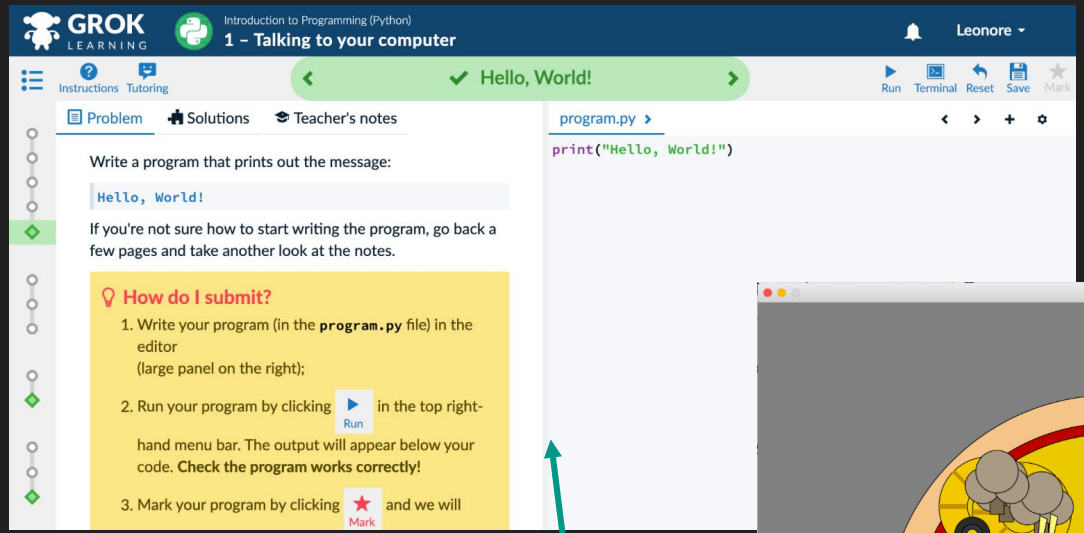
Example Work

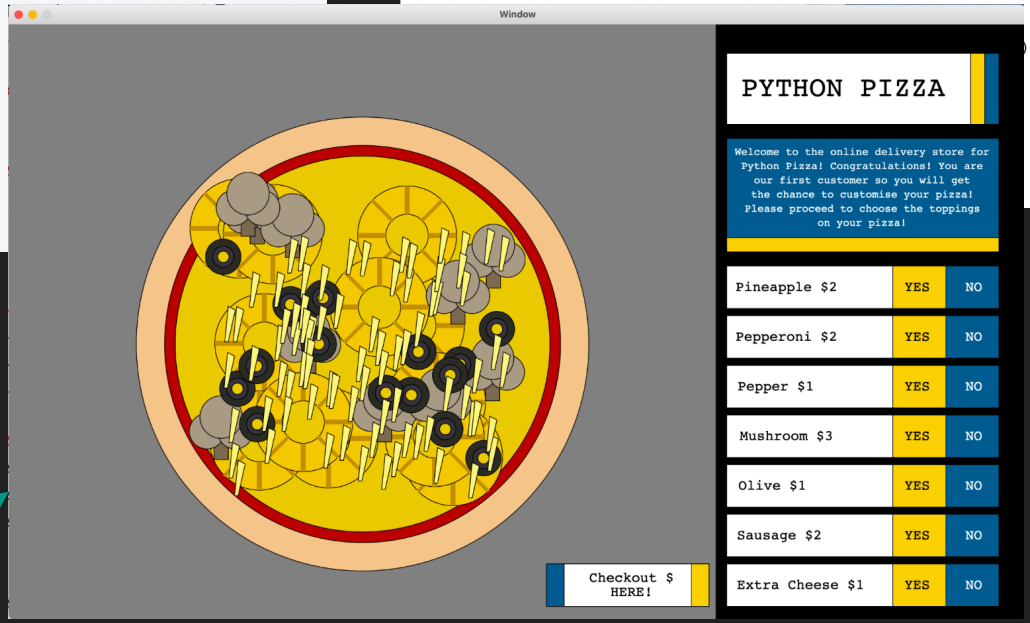
GRAPHIC DESIGN (IST + ITM)

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



PROGRAMMING (IST)



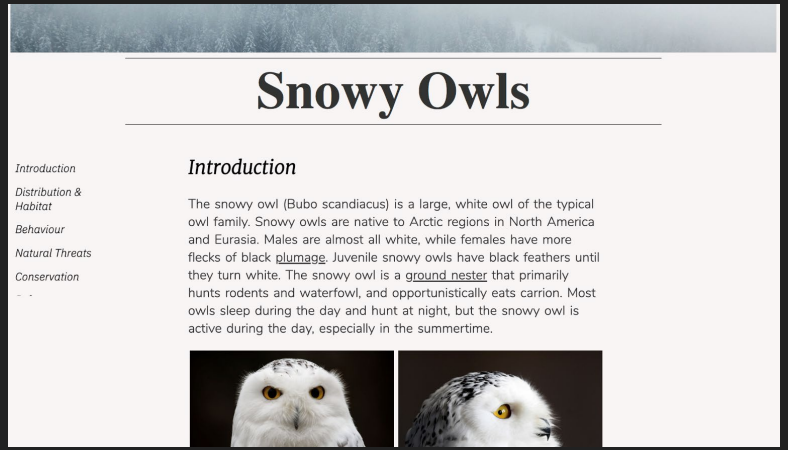


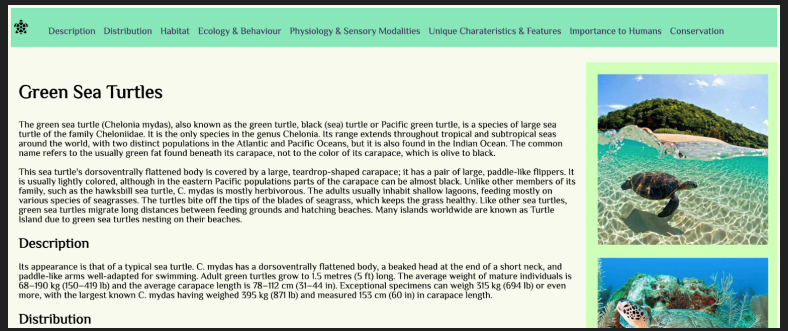
Learn python in an interactive learning environment that gives you live feedback, and with opportunities to compete in coding competitions.

Then get creative with code as you program art.

WEBSITE DEVELOPMENT (IST and ITM)

Learn HTML5 and CSS to build professional looking websites

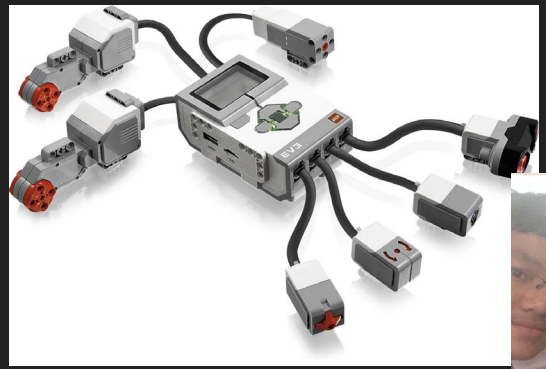


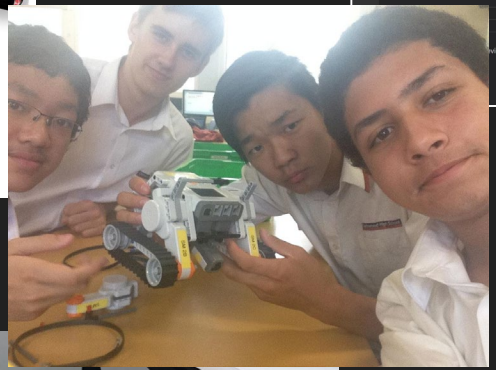


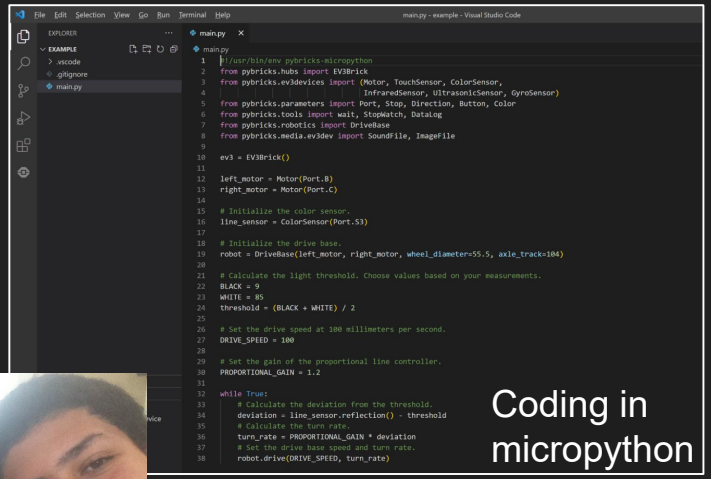
Olexandr.html

```
1  <!DOCTYPE html>
2  <link rel="stylesheet" type="text/css" href="Olexandr.css">
3
4  <title>
5    Snowy Owls
6  </title>
7
8  <div class = "banner-image-container" alt = "Snowy forest on a mountain" id = "
9
10 <ul class = "list-left">
11   <li><a href="#Introduction">Introduction</a></li>
12   <li><a href="#Distribution and Habitat">Distribution & Habitat</a></li>
13   <li><a href="#Behaviour">Behaviour</a></li>
14   <li><a href="#Natural Threats">Natural Threats</a></li>
15   <li><a href="#Conservation">Conservation</a></li>
16   <li><a href="#References">References</a></li>
17 </ul>
18
19 <div class = "sticky-head-container">
20   <h1 class = "head-container">
21     Snowy Owls
22   </h1>
23 </div>
24
25 <div class = "body-container">
26   <h2 class = "subtitle">Introduction</h2>
27   <p class = "info-container">
28     The snowy owl (Bubo scandiacus) is a large, white owl of the typical owl fa
     Bird_nest#Ground_and_mound_nests" target = "_blank">ground nester</a> that
29   </p>
30
31   <div class = "body-image-container">
32       <img class = "body-image" src = "Olexandr images/Close Owl.png" alt = "Fr
33       <img class = "body-image" src = "Olexandr images/owlStaring.png" alt = "S
34   </div>
```

ROBOTICS (IST)

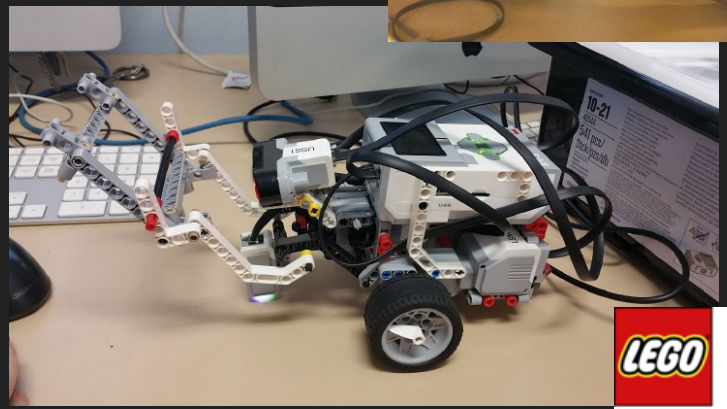


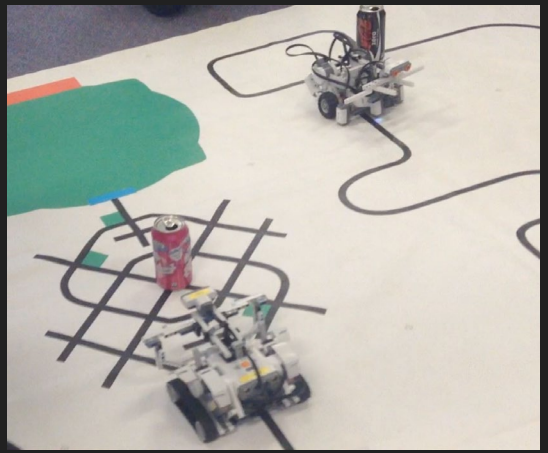




Coding in micropython

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





LEGO mindstorms EV3

FILM + ANIMATION (IST + ITM)

soundhouse
chatswood high school

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