



# Year 9 Information Technology Option

Subject Leader: Mrs Muyunda Oldham

The Year 9 Information Technology Option aims to engage, endeavour students to excel at project management development and, modelling and user interface design principles using industry Sketchup software as well exploring design principles for Google site web interface.

## Topics to be covered in Year 9

	Term 1	Term 2	Term 3
<b>Topics to be covered</b>	<p><b>Data handling using spreadsheets</b></p> <p>Understand Excel features Use Formulae and functions Apply Conditional formatting and charts</p> <p><b>Introduction to Grand Design SketchUp Project</b></p> <p>Planning using Gantt Charts Planning using Pert chart 3D Google Sketchup Develop a finance spreadsheet model Create a project proposal Presentation Evaluation of the project</p>	<p><b>Introduction to Photoshop</b></p> <p><b>Introduction to Open Shot video editing</b></p>	<p>Exploring Interface Design Principles for users and Organisations</p>
<b>Skills to be developed</b>	<p><b>Data Handling skills</b></p> <p>Excel Budgeting Chart Cell Column Formulae Functions Gnatt Chart Pivot tables</p> <p><b>SketchUp 3D Design skills</b></p> <p>3D Modelling Orbit Mid Point Push/Pull Textures Presentation skills</p>	<p><b>OPEN SHOT</b></p> <p>Key frame editing Transitions Importing Exporting Animation Understanding image resolution</p> <p><b>Photoshop</b></p> <p>Cropping Selecting Masking Layers Blending Colour balance Saturation</p>	<p><b>Exploring Interface Design Principles for users and Organisations</b></p> <p>Google sites Text based GUI WIMP Menu Form</p> <p><b>Factors affecting the choice of user interface</b></p> <p>Accessibility needs for</p> <ul style="list-style-type: none"> <li>• visual</li> <li>• hearing</li> <li>• speech</li> <li>• motor</li> <li>• cognitive</li> </ul> <p><b>Skill level:</b></p> <ul style="list-style-type: none"> <li>• expert</li> <li>• regular</li> <li>• Occasional</li> <li>• novice.</li> </ul> <p><b>Demographics:</b></p> <ul style="list-style-type: none"> <li>• age</li> <li>• beliefs/values</li> </ul>

## Useful Websites

<https://www.sketchup.com/products/sketchup-for-schools>

<https://teach-ict.com>

## Marking, Assessment and Feedback

Over the course of an academic year students will complete a number of formal assessments, these will be used to assess where students are in their learning journey.

Information from these assessments could be used when making decisions regarding setting of students, reporting progress home and predicting outcome. Current guidelines mean that we cannot provide as much detailed written feedback as it typical. As a result of this, we will during lessons, evaluate students' learning through a range of activities including quizzes, class discussions, detailed questioning and other strategies. Through this, students will know where they are in their learning journey and what they need to do next to make further progress.

Teachers will continue to provide planned written feedback on selected pieces of work.

## Homework

Homework will be set using the online platform Go 4 Schools.

Homework tasks are designed to prepare students for future learning or consolidate work completed in the classroom. It will be clear what should be handed in, when it should be handed in and how it should be handed in.

## Contact Information:

If you would like to get in contact, please contact your child's teacher on the email address below:

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