



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
Topics to be covered	Introduction to Grand Design SketchUp Project Planning using Gannt Charts Planning using Pert chart 3D Google Sketchup Develop a finance spreadsheet model Create a project proposal Presentation Evaluation of the project Data handling using spreadsheets Understand Excel features Use Formulae and functions Apply Conditional formatting and charts	Web Authoring in HTML using W3Schools Understanding HTML syntax Developing webpages using HTML syntax Introduction to CSS Audio manipulation using Audacity	Exploring Interface Design Principles for users and Organisations Factors affecting the choice of user interface
Skills to be developed	SketchUp 3D Design skills 3D Modelling Orbit Mid Point Push/Pull Textures Presentation skills Data Handling skills Excel Budgeting Chart Cell Column Formulae Functions Gnatt Chart Pivot tables	Web Authoring skills Understand HTML syntax Tags Colors Links Attributes Images Headings Tables Audio manipulation using Audacity Skill Sample rate Bit depth Noise reduction Cutting Editing	Exploring Interface Design Principles for users and Organisations Text based GUI WIMP Menu Form Factors affecting the choice of user interface Accessibility needs for • visual • hearing • speech • motor • cognitive Skill level: • expert • regular • occasional • novice Demographics: • age • beliefs/values

Useful Websites

<https://w3schools.com/html>

<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 topics and will be assessed using progress paths, formal tests, MS form quizzes/topic tests.

Information from these assessments will contribute in making decisions regarding reporting student progress and predicting outcomes. Current guidelines mean that we cannot provide as much detailed written feedback as is typical from core subjects. In addition, teachers will evaluate students' learning through enrichment activities, class contribution, homework and a range of other activities. 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 <https://www.go4schools.com/>

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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