



Year 8 Computing Learning Journey

When?	Understanding	Knowledge	Assessment
<p style="text-align: center;">AUTUMN Term FIRST Half</p>	<p>Learners should have studied the following:</p> <p>3.3 Analysing Data</p> <p>Check sources Ensure information is trustworthy</p> <p>3.4 Presenting Data</p> <p>Do CRAB – Date, Clear, Relevant, Authors, Bias</p> <p>3.5 Word Processing (WP) & Desk Top Publishing (DTP)</p> <p>Edit & format text documents Font, Font Style, Text Size, Alignment</p> <p>3.6 Presentation Software</p> <p>Wrap Page & Line Break Headings / Subheadings Spellcheck Slides, Animations & Transitions</p>	<ul style="list-style-type: none"> • Animations • Colour Schemes • DTP (Desk Top Publishing) • Footer • Frame • Handout (Presentation) • Footer • Heading • Presentation Software • Software • Spell Checker • Subheading • Text Formatting • Transition • Word Processor 	<ul style="list-style-type: none"> • Pre-reading relevant sections of textbook • Section 3 • Collecting & Presenting Data • Work through textbook theory Pages 44 to 48 • Open Discussions • Questions & Answers • Note-taking in Exercise Books

When?	Understanding	Knowledge	Assessment
<p style="text-align: center;">AUTUMN Term SECOND Half</p>	<p>Learners should have studied the following:</p> <p>3.5 Word Processing (WP) & Desk Top Publishing (DTP)</p> <p>Edit & format text documents Font, Font Style, Text Size, Alignment</p> <p>3.6 Presentation Software</p> <p>Wrap Page & Line Break Headings / Subheadings Spellcheck Slides, Animations & Transitions</p> <p>3.7 Web Design Software</p> <p>Navigation Bar Hotspot WYSIWYG</p> <p>3.7 Web Design Software</p> <p>Text Editor HTML Web Browser</p>	<ul style="list-style-type: none"> • Animation • Form • Text Editor • Hotspot • Hyperlink • HTML • IDE • Syntax Highlighting • Tag • CSS • Web Browser • Stylesheet 	<ul style="list-style-type: none"> • Pre-reading relevant sections of textbook • Section 3 • Collecting & Presenting Data • Work through textbook theory Pages 49 to 53 • Open Discussions • Questions & Answers • Note-taking in Exercise Books

When?	Understanding	Knowledge	Assessment
<p style="text-align: center;">SPRING Term FIRST Half</p>	<p>Learners should have studied the following:</p> <p>3.7 Web Design Software</p> <p>Navigation Bar Hotspot WYSIWYG Text Editor HTML Web Browser Lists Hyperlink</p> <p>3.8 Spreadsheets</p> <p>Table Row & Column Cell Coordinates Format Charts</p> <p>3.9 Databases</p> <p>VLOOKUP Database – Design View & Datasheet View Record Filter Report</p>	<ul style="list-style-type: none"> • Auto-Fill • Cell • Spreadsheet • Workbook • Chart • Database • Design View • Datasheet View • Form • Query • Report • Data Type • Field • Graph • Primary Key • Formula 	<ul style="list-style-type: none"> • Pre-reading relevant sections of textbook • Section 3 • Collecting & Presenting Data • Work through textbook theory Pages 54 to 58 • Open Discussions • Questions & Answers • Note-taking in Exercise Books

When?	Understanding	Knowledge	Assessment
SPRING Term SECOND Half	<p>Learners should have studied the following:</p> <p>3.8 Spreadsheets</p> <p>Format Charts Bar Graph Line Graph Scatter Graph Pie Chart</p> <p>3.9 Databases</p> <p>Database – Design View & Datasheet View Record Filter Report</p> <p>3.10 Audio & Video Software</p> <p>Podcast Edit Record Media Player Quality</p> <p>3.11 Graphics Software</p> <p>Bitmaps & Vectors Transparent Distort Duplicate</p>	<ul style="list-style-type: none"> • Audio Software • Vector Image • Bitmap Image • Video Software • Podcast • Media Player • Layer • Voice-over • Narrate • Tempo • Pitch • Volume • Fade • Contrast • Pixel • Stretch • Squash 	<ul style="list-style-type: none"> • Pre-reading relevant sections of textbook • Section 3 • Collecting & Presenting Data • Work through textbook theory Pages 59 to 63 • Open Discussions • Questions & Answers • Note-taking in Exercise Books

When?	Understanding	Knowledge	Assessment
<p style="text-align: center;">SUMMER Term FIRST Half</p>	<p>Learners should have studied the following:</p> <p>3.10 Audio & Video Software</p> <p>Podcast Edit Record Media Player</p> <p>3.11 Graphics Software</p> <p>Quality Bitmaps & Vectors Transparent Distort Duplicate</p> <p>4.1 Logic</p> <p>Logic gate operations Three main types of logic gate – NOT, AND & OR Logic circuits made up of multiple logic gates</p> <p>4.2 Binary Numbers</p> <p>BINARY – only TWO digits = 0 or 1 Convert DECIMAL to BINARY Convert BINARY to DECIMAL</p>	<ul style="list-style-type: none"> • Binary Number • Addition • Convert from Decimal • Convert to decimal • Boolean Operator • Decimal • Denary • Convert from Binary • Convert to Binary • Logic Circuit • Logic Gate • Truth Table 	<ul style="list-style-type: none"> • Pre-reading relevant sections of textbook • Section 4 • Data Representation • Work through textbook theory Pages 64 to 69 • Open Discussions • Questions & Answers • Note-taking in Exercise Books

When?	Understanding	Knowledge	Assessment
<p style="text-align: center;">SUMMER Term SECOND Half</p>	<p>Learners should have studied the following:</p> <p>4.1 Logic Logic gate operations Three main types of logic gate – NOT, AND & OR Logic circuits made up of multiple logic gates</p> <p>4.2 Binary Numbers BINARY – only TWO digits = 0 or 1 Convert DECIMAL to BINARY Convert BINARY to DECIMAL</p> <p>4.3 Characters Process characters input from a keyboard Understand Character Set</p> <p>4.4 Images ASCII & Extended ASCII Unicode</p> <p>4.5 Sound Sound Sample Amplitude & Frequency</p> <p>4.6 Compression Lossy & Lossless Compression MP3, JPEG, FLAC & PNG</p>	<ul style="list-style-type: none"> • Character • Binary Code • Special Characters • ASCII • Extended ASCII • Unicode • Bitmap Image • Vector Image • Pixel • Colours • Colour Depth • Resolution • Dots Per Inch • Image Quality • File Size • Digital • Analogue • Sampling • Lossy • Lossless 	<ul style="list-style-type: none"> • Pre-reading relevant sections of textbook • Section 4 • Data Representation • Work through textbook theory Pages 70 to 76 • Open Discussions • Questions & Answers • Note-taking in Exercise Books