



The 'big' skills needed for both GCSE and A Level:

## Component 1: Exploring User Interface Design Principles and Project Planning Techniques

AO1 - Knowledge  
AO2 - Understanding  
AO3 - Analyse & evaluate  
AO4 - Make connections with digital information technology

YEAR	Term 1: Learning Aim A	Term 2: Learning Aim B	Term 3: Learning Aim C
10	<p><b>Topic:</b> Investigate user interface design for individuals and organisations</p> <p><b>Skills:</b> (A01 &amp; A02) Investigate the varying needs of the audience and how they affect both the type and the design of the interface.</p> <p><b>Assessment:</b> Research and present report</p>	<p><b>Topic:</b> Investigate user interface design for individuals and organisations</p> <p><b>Skills:</b> (A03) Investigate different planning tools and design methodologies that can be used to plan, monitor and execute projects</p> <p><b>Assessment:</b> a project plan containing a combination project planning tools, e.g. Gantt charts, mind maps and a design specification containing a combination of different design techniques, e.g. tables, sketches, storyboards.</p>	<p><b>Topic:</b> Develop and review a user interface</p> <p><b>Skills:</b> (A04) Use their design to produce a user interface</p> <p><b>Assessment:</b> Practical work: a user interface, that can could be in the form of a database, website or a mobile phone app also a written document</p>

## Component 2: Collecting, Presenting and Interpreting Data

AO1 - Knowledge  
AO2 - Understanding  
AO3 - Analyse & evaluate  
AO4 - Make connections with digital information technology

YEAR	Term 1: Learning Aim A	Term 2: Learning Aim B	Term 3: Learning Aim C
11	<p><b>Topic:</b> Investigate the role and impact of using data on individuals and organisations</p> <p><b>Skills:</b> (A01 &amp; A02) investigate data collection methods and features and how the data collection methods and features affect the quality of the data.</p> <p><b>Assessment:</b> Research and present report</p>	<p><b>Topic:</b> Create a dashboard using data manipulation tools</p> <p><b>Skills:</b> (A04) select and apply the data manipulation methods to provide appropriate summaries of the data and produce a dashboard to display the summaries of data</p> <p><b>Assessment:</b> Create spreadsheet showing the imported dataset, the data manipulation methods used and a completed dashboard and prepare a written document</p>	<p><b>Topic:</b> Draw conclusions and review data presentation methods.</p> <p><b>Skills:</b> (A03) Use dashboard to identify patterns and trends in the data.</p> <p><b>Assessment:</b> a written document that shows the drawing of conclusions and recommendations</p>