**Philip Feain –** Hello and welcome to the VCE Applied Computing Study Design 2025-2028 on-demand video. The purpose of this video is to support teachers with understanding Unit 4 Outcome 1 Data Analytics. The purpose of this presentation is to: provide an overview of Unit 4 Outcome 1 Data Analytics, discuss the major changes to Unit 4 Outcome 1, look at the software tools, look at the outcome statement, go through the key knowledge, look at the key skills and look at the assessment task.

In the following slides we'll have an overview of Unit 4 Outcome 1. There's been several major changes to Unit 4 Outcome 1 Data Analytics. Statistical analysis has been added. The SAT has been updated. There have also been some other minor changes, edits and updates. There are a range of software tools that students are required to both study and use in this outcome. These are: database software, spreadsheet software, data visualisation software and an appropriate tool for running Structured Query Language queries. There is also a software tool that students are required to use but not required to study in this outcome. This would be an appropriate tool for documenting and modifying project plans. The outcome statement for Unit 4 Outcome 1 has been updated. Students should be able to develop and evaluate infographics and/or dynamic data visualisations that meet requirements and assess the effectiveness of the project plan.

Key knowledge and the layout of the content has been updated to make more use of including and to list the items after the including in a vertical list. The key knowledge here includes: effective and efficient methods to manipulate data using software tools and techniques for analysing data to refine findings for data visualisations, techniques for implementing data security and characteristics of information for target audiences, formats and conventions applied to infographics and dynamic data visualisations to improve their effectiveness and techniques for improving data quality by validating and verifying data, techniques for testing that data visualisations work as intended and features of evaluation strategies, techniques for applying evaluation criteria, techniques for recording the progress of projects and techniques for assessing the effectiveness of a project plan.

The key skills for Unit 4 Outcome 1 have been updated and map directly to the key knowledge. In terms of the contribution to final assessment, the SAT for Unit 3 Outcome 2 and Unit 4 Outcome 1 will contribute 30 per cent to the study score. The assessment task has been updated for Unit 4 Outcome 1 with some detail added for clarity. Infographics and/or dynamic data visualisations that present findings in response to a research question And an evaluation of the efficiency and effectiveness of infographics and/or dynamic data visualisations, an assessment of the effectiveness of the project plan in monitoring project progress in one of the following: a written report or an annotated visual plan. Time allocated should be at least 8 weeks of class time.

Thank you for following this presentation. If you have any questions regarding this presentation or the VCE Applied Computing Study Design you can contact Phil Feain, the Digital Technologies Curriculum Manager, at the contact details below.

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