**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 2 Data Analytics. The purpose of this presentation is to: provide an overview of Unit 4 Outcome 2 Data Analytics, discuss the major changes to Unit 4 Outcome 2, 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 2. There've been several major changes to Unit 4 Outcome 2 Data Analytics. Emerging trends in cyber security has been added. Cryptographic techniques to protect data has been added. The assessment task for the SAC has been updated and there have also been some other minor changes, edits and updates. The outcome statement for Unit 4 Outcome 2 has been updated. Students should be able to respond to a teacher-provider case study to analyse the impact of a data breach on an organisation, identify and evaluate threats, evaluate current security strategies and make recommendations to improve security strategies.

The 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: emerging trends in cyber security and goals and objectives of medium and large organisations, the importance of data and information security to organisations and types of threats to the integrity and security of data and information used by organisations, characteristics of data integrity, consequences of diminished data integrity and criteria for evaluating the effectiveness of data and information security strategies, key legislation that affects how organisations control the collection, communication and security of their data and information, and key legislation that instructs an organisation to notify impacted individuals and organisations in the event of an eligible data breach likely to result in serious harm, ethical issues arising from the implementation of data and information security practises and applications of cryptographic techniques to protect data, features of disaster recovery plans and security controls for preventing and tracking unauthorised access to data and information and minimising data loss.

The key skills for Unit 4 Outcome 2 have been updated and map directly to the key knowledge. In terms of the contribution to final assessment, the SAC for Unit 4 Outcome 2 will contribute 10 per cent to the study score and the total number of marks for the SAC will be out of 100. The assessment task has been updated for Unit 4 Outcome 2 with some detail added for clarity. The student's performance will be assessed using one of the following: structured questions, a report in written format or a report in multimedia format. The case study scenario needs to enable: an analysis of the breach, an evaluation of the threats and recommendations to improve security strategies. Task time allocated should be 100-120 minutes.

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

[Copyright Victorian Curriculum and Assessment Authority](https://www.vcaa.vic.edu.au/Footer/Pages/Copyright.aspx) 2024