Spotlighted unit
Details on a specific unit of work at the school.

Digital Learning and Teaching Victoria

Digital Technologies case studies project

Level	8	Title / theme	Create a Soundboard

Summary / intention	Students learn about digital solutions by designing and programming folios of work. By the end of the unit students will produce their own soundboard app.

Strands addressed   ☐ Digital Systems   ☐ Data and information   ☒ Creating digital solutions

Session	Activity summary	Learning intention	Success criteria	Key resources	Assessment statement
1-5	Thunkable folios	To build an image recognition app. To learn how to position components. To build a text-to-speech button. To build a button that makes a sound when you click it. To build a random answer To build an image recognition App generator: To learn how to position components. To build a translator app.	I can • recognise and input basic coding, • use proper naming conventions, • apply design concepts.	Thunkable Microsoft Teams One Note PowerPoint	Students complete a series of folios using "Thunkable" to develop coding skills required to enable eventual design of soundboard. 4 to 7 folios depending on ability.

6	Introduction to the project	To design a sound board app and build it on Thunkable.	I can • apply the skills I have developed on Thunkable, • design a sound board app using design conventions.	PowerPoint Microsoft Teams One Note	Students investigate design formats and conventions. Considering branching, iteration Introduction to Wireframes,
7-12	Design Development	To learn how to position components. To build text to speech, random answer generator, translator, image recognition apps.	I can • recognise and input basic coding, • use proper naming conventions, • apply design concepts.	Thunkable Microsoft Teams One Note	Students consider apps purpose and design Impact on user experience ie contrast, space Create flowcharts, algorithms, reframes, branching, iteration
13-14	Design Development Trial and Testing	To test sound board app built on Thunkable.	I can: • apply the skills I have developed on Thunkable, • design a sound board app using design conventions.	Thunkable Microsoft Teams One Note	Students use Thunkable to code and design, trial and test their apps to create specific tasks and sounds.