Victorian Curriculum F-10

CD Code	Area	Discipline	Level	Strand	Content Description
VC2TDI8C02	Technologies	Technologies	Levels 7 and 8	Creating Digital Solutions	design algorithms involving nested control structures and represent them using flowcharts and pseudocode, and use tracing techniques to test and identify errors
VC2TDI8C04	Technologies	Technologies	Levels 7 and 8	Creating Digital Solutions	implement, modify and debug programs involving control structures and functions in a general-purpose programming language
VC2S8U17	Science	Science	Levels 7 and 8	Science Understanding	electrical circuits transfer energy when current flows and can be designed for diverse purposes using different components; the operation of circuits can be explained using the concepts of voltage and current
VC2TDI8C01	Technologies	Technologies	Levels 7 and 8	Creating Digital Solutions	define and decompose real-world problems by taking into account functional requirements and constraints
VC2TDI10C03	Technologies	Technologies	Levels 9 and 10	Creating Digital Solutions	design, modify and prototype the user interface and user experience of a digital system; generate, communicate and critically evaluate alternative designs against design criteria
VC2TDI10C02	Technologies	Technologies	Levels 9 and 10	Creating Digital Solutions	design algorithms involving logical operators and represent them as flowcharts and pseudocode, and validate algorithms and programs by comparing their output against a range of test cases
VC2CC8M02	Critical and Creative Thinking	Critical and Creative Thinking	Levels 7 and 8	Metacognition	broad strengths and limitations of thinking processes in different contexts, including problem-solving