Varsity College
Year 7 – Digital Technology

Term 3, 2023

Week	Date	Topics	Assessment
1	10-14 July **Athletics Carnival - Wed**	• Installation of: Scratch Game, design, investigation • Character investigation, design and drawing	
2	17-21 July	• Installation of: Scratch Game, design, investigation • Character investigation, design and drawing	
3	24-28 July	• Research and development of a scratch game plan in the form of an annotated, hand drawn story board	
4	31 July – 4 August	• Research and development of a scratch game plan in the form of an annotated, hand drawn story board	
5	7-11 August	• Scratch coding – generate efficient code using loops Scratch coding – generate codes using 'while loops' • Scratch coding – create and code variables to keep score and change the display properties of sprites • Scratch coding – generate code to create clones of sprites which will move across the screen • Scratch coding – incorporate sound effects	
6	14-18 August	• Project development – identify the problem and develop a solution	
7	21-25 August	• Project development – creating backgrounds sprites and code Annotate codes	
8	28 August – 1 Sept. **GC Show PH - Fri**	• Project development – obstacle animation, scoring and sound FX	**Draft Due**
9	4-8 September	• Project conclusion – game refinement and evaluation	**Project Due**
10	11-15 September	• Peer review of games	
School Holidays: Saturday September 16 – Monday October 2			

Term 4, 2023

Week	Date	Topics	Assessment
1	2-6 October **King's Birthday PH - Mon**	• Introduction • Create Tinkercad account Crete first circuit • Using a breadboard	
2	9-13 October	• Electricity Theory Arduino outputs • LED • Arduino inputs • Ultrasonic sensor	
3	16-20 ctober	• Arduino outputs • Buzzer • Flow diagram introduction	
4	23-27 October	• Integrating Arduino to Processing 4 Install Processing 4 • Basic skills development	**Arduino Logbook due**
5	30 Oct – 3 Nov	• Assignment introduction – Interactive application Assignment application • Task description, Project management, Success criteria, Related theory, Story board	
6	6-10 November	• Assignment application • Flow diagram • Developing code	
7	13-17 November	• Assignment application • Developing code	
8	20-24 November	• Assignment application • Developing code	
9	27 Nov – 1 Dec	• Assignment application • Evaluate interactive application • Recommendation and refinements to success criteria	**Project due**
10	4-8 December	**Final Week Alternative Program**	
School Holidays: Saturday December 9 – Sunday January 21, 2024			