Varsity College
Year 10 – Digital Solutions

Term 3, 2023

Week	Date	Topics	Assessment
1	10-14 July **Athletics Carnival - Wed**	• Introduction to PHP • Introduction to MySQL • PHP and MySQL Connectivity	
2	17-21 July	• Basic SQL Queries • Basic PHP Functions • PHP and MySQL CRUD Operations	
3	24-28 July	• Sanitizing user inputs • Preventing SQL injection • User authentication and authorization	
4	31 July – 4 August	• PHP and MySQL Integration with HTML and CSS • PHP and MySQL Integration with JavaScript	Assessment handed out
5	7-11 August	• PHP and MySQL Project Planning • PHP and MySQL Project Development	
6	14-18 August	• PHP and MySQL Error Handling • PHP and MySQL Best Practices	Draft due
7	21-25 August	• PHP and MySQL Testing	
8	28 August – 1 Sept. **GC Show PH - Fri**	• Review of draft and modifications	**Assignment**
9	4-8 September	• Review of assessment	
10	11-15 September	• Review of assessment	
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 to Data Flow Diagrams (DFDs) • Identifying entities, attributes, and relationships using DFDs • Applying the normalization process to ensure a well-designed database schema	
2	9-13 October	• Creating tables using MySQL • Primary keys, foreign keys, and other constraints • Data types and data integrity	
3	16-20 October	• Basic SQL commands: SELECT, INSERT, UPDATE, DELETE • JOINs and UNIONs	Assessment handed out
4	23-27 October	• Creating indexes for faster queries • Query optimization techniques • Performance tuning	
5	30 Oct – 3 Nov	• PHP and MySql connection • PHP and MySql functionality	Draft submission
6	6-10 November	• Review and implementation of draft feedback	
7	13-17 November	• Review and implementation of draft feedback	**Final project submission**
8	20-24 November	**Exam Block**	
School Holidays: Saturday November 25 – Sunday January 21, 2024			