



مدرسة القديسة مريم الكاثوليكية الثانوية - دبي
ST. MARY'S CATHOLIC HIGH SCHOOL, DUBAI

Theory

YEAR 10 – Computer Science (Week 5) 2021-2022

Subject	Computer Science
Class/ Section	Year 10 A-F
Week	26th September to 30th September
Work send to students by	Google classroom
Total number of lessons per week	2
Unit/Topic	Unit 4: Computers Chapter 19 : Software
Key Vocabulary	application software, system software, utility software, scheduling, paging
Lessons 1,2–Live Zoom lessons along with face to face instruction for students present on a particular day Work will be assigned in Google classroom which will be matched to the students' ability.	<u>Specific Learning objectives</u> <ul style="list-style-type: none">➤ understand the types of software - system software and application software.➤ understand operating system and its functions. <u>Specific Intended Learning Outcomes</u> Students will be able to <ul style="list-style-type: none">➤ Explain the types of software such as system software and application software.➤ describe operating systems and how it manages files, processes hardware and the user interface
Tasks	Students will complete the Activity questions 1 to 4.
Assessment Criteria/ Essential questions	Why might some users prefer a command line interface to a graphical one? Assessment objectives expected by the board with respect to the above question is listed below.

Resources

AO1: Demonstrate knowledge and understanding how operating system provides and runs the user interface.

AO2: Apply knowledge and understanding of GUI and CLI.

Pearson Edexcel International GCSE(9-1) Computer Science Book

PowerPoint presentation

Resource video links:

- <https://www.youtube.com/watch?v=BTB86HeZVwk>
- <https://www.youtube.com/watch?v=fkGCLIQx1MI>
- <https://www.youtube.com/watch?v=Kh3MiaoLxII>
- <https://www.youtube.com/watch?v=Ts8hvn198mM>

Practical

YEAR 10 – Computer Science (Week 5) 2021-2022

Subject	Computer Science
Class/ Section	Year 10 A-F
Week	26th September to 30th September
Work send to students by	Google classroom
Total number of lessons per week	2
Unit/Topic	Unit 4 : Computers Chapter 18 : Logic
Key vocabulary	Truth table, Boolean, logic circuit, logic statement
Lessons 1,2–Live Zoom lessons along with face to face instruction for students present on a particular day Work will be assigned in Google classroom which will be matched to the students’ ability.	<u>Specific Learning objectives</u> To be able to construct and interpret truth tables for a given logic statement (AND, OR, NOT)
Tasks	<u>Specific Intended Learning Outcomes</u> Students will be able to create truth table for a given logic statement using AND, OR and NOT. Activities on truth tables will be posted in Google classroom. To encourage collaborative learning environment, students will be grouped in break out rooms to discuss and solve the questions.
Assessment Criteria/ Essential questions	International GCSE(9-1) - SAM 2017 – Q5(b)(i). Assessment objectives expected by the board with respect to the above question is listed below. AO1: Analyse problems in computational terms to make reasoned judgements. AO2: Analyse problems in computational terms to design, program, test, evaluate and refine solutions.

Resources

Pearson Edexcel International GCSE(9-1) Computer Science
Book
PowerPoint presentation.

Resource video links:

- <https://www.youtube.com/watch?v=rnZqSkpVtJo>
- <https://www.youtube.com/watch?v=7mulE-zramc>