



Dominican International School Kaohsiung

Course Syllabus

Subject: ICT 7

Grade: MS SY: 2023-2024

Teacher: Mr. Alphonse Inbaraj Xavier

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Course Description:

This course provides an overview of the fundamentals of computer information systems. The course focuses on the role of computers in business today including hardware, software, analysis, design, and implementation of information systems. This includes an introduction to computer ethics, and business and personal security. Students are exposed to techniques used in programming and system development.

Course Requirements:

- The course will be conducted through lectures, discussions, practice material, projects, and student presentations. Students are strongly encouraged to raise questions and make comments in class. Participation is the key to success.
- Students are required to complete each assignment by the date that it is assigned. Staying on track with assignments will facilitate understanding of the class material.
- Assignment books are available to each student. If there is difficulty in completing the assignments, the teacher must be notified before class the next day.
- Students are encouraged to communicate concerns to teachers and ask for help as needed throughout the school year.
- Students are expected to organize their own class materials and to keep their work neat and tidy. Parents are encouraged to help students by labeling personal items with identification stickers with the student's name in English.
- Students will observe all school policies as outlined in the DISK Handbook. This includes arriving at school on time, abiding by the dress code and speaking only English on the school grounds.
- Students will observe all school policies on Academic Honesty, as outlined in the DISK Handbook. All cases of academic misconduct (such as cheating on tests or plagiarism) will automatically result in a "Fail" grade for the assignment, in addition to any sanctions that may be imposed by the School Discipline office.

Textbooks: Online Resources, Handouts

Homework Policy:

Homework is to be turned in no later than 8:00 am on the day that it's due. Late submissions will be penalized a letter grade for each day that it is late for three days. After the third day, homework will no longer be accepted and the grade will be recorded as a zero. Students must notify the teacher of any late work being submitted. It is not the responsibility of the teacher to find late submissions.

Test Policy:

All tests must be taken home and signed by a parent or guardian the day it is graded and handed back to the student. The student has until the next morning at 8:00am to resubmit parent signatures. If a student identifies an error in grading, it must be presented by this time.

Classroom Rules and Expectations:

1. Be prepared to learn.
2. Participate in class discussions, projects, and classwork.
3. Respect yourself, your peers, and the school.
4. Be careful with school property.
5. No food or drinks while using computers.

Assessment:

30% - Quizzes, Tests, and Projects

30% - Homework, Seatworks, and Participation

30% - Quarterly Exam

10% - Deportment and Behavior

Quarter One - Pacing Guide

DATE	LESSON
Week 1	Introduction to the Class, Rules and Procedures, Discussing about Q1 Syllabus
Week 2	Introduction about Data Representation -Why Do Computers Use Binary? and Intro about logic gate
Week 3	Introduction about Number System -Denary, Binary and hexadecimal
Week 4	Converting Between Binary & Denary Converting Between Hexadecimal & Binary
Week 5	Converting Between Hexadecimal & Denary
Week 6	Intro about hexadecimal and its use in computers How is Hexadecimal used in Computers?
Week 7	Binary Addition, Binary Shift and Two's complement
Week 8	Review and revision the class test discussion
Week 9	Quarter 1 Exam

Quarter Two - Pacing Guide

DATE	LESSON
Week 1	Intro about Types of Data Transmission methods
Week 2	Data Packets, data Transmission and USB
Week 3	Continuation and Recall
Week 4	Methods of Error Detection
Week 5	Introduction about HTML
Week 6	Change the background image using Notepad in HTML
Week 7	Create the ordered and unordered list using HTML
Week 8	Continuation

Week 9	Q2 Exam
Week 10	End semester activities

Quarter Three - Pacing Guide

DATE	LESSON
Week 1	Recap of HTML Basics from previous semester and intro about CSS and JAVA Script
Week 2	Adding images using HTML
Week 3	Using CSS writing coding
Week 4	Continuation of CSS and with its class(animation)
Week 5	CSS Properties with CSS class
Week 6	Continuation of CSS class
Week 7	Discuss about current technology (midjourney, id-d and elevenlabs)
Week 8	Review and discussing about exam patterns
Week 9	Q3 Exams
Week 10	ITBS Practice & Tests and ICT -Function and arguments, Quiz

Quarter Four - Pacing Guide

DATE	LESSON
Week 1	Continuation of Function and arguments, Onclick event
Week 2	Demonstrating the Creating password page
Week 3	Creating password with extension of other properties
Week 4	Building a web based App -text box and button
Week 5	The Document Object Model (DOM)
Week 6	Review and discussing the exam pattern
Week 7	Q4 exam