



Dominican International School Kaohsiung

Course Syllabus

Subject: ICT 6

Grade: MS SY: 2023 - 2024

Teacher: Mr. Alphonse Inbaraj Xavier

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Course Description:

Learn computer science by trying the lessons below at your own pace! Learn to create computer programs, develop problem-solving skills, and work through fun challenges!

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 8:00am 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
Week1	Introduction about computer Components (Overview)
Week 2	First Look at Computer Parts and Tools
Week 3	Inside Desktops and Laptops
Week 4	Research: Computer Components
Week 5	Hands On Activity: Computer Disassembly
Week 6	All About Motherboards
Week 7	Introduction of Mail Merging and its demonstration
Week 8	Mail Merging using Microsoft word with Excel sheets and Q1 review
Week 9	Quarter 1 Exam

Quarter Two - Pacing Guide

DATE	LESSON
Week 1	Mail Merge using Google sheets
Week 2	Mail Merge using Google words
Week 3	Introduction of Microsoft spread sheet with various charts
Week 4	Introduction of HTML and some tags
Week 5	Attachment of IMAGE as Background and align as center position
Week 6	Attachment of Audio in HTML
Week 7	Attachment of Video in HTML
Week 8	Attachment of Hyperlink in HTML
Week 9	Quarter 2 Exam
Week 10	End of semester activities and revise all chapter

Quarter Three - Pacing Guide (Computing with Robotics)

DATE	LESSON
Week 1	Course introduction-hardware and software of Robotics
Week 2	Assembling and Reassembling the parts of MBot
Week 3	Blink LED Program
Week 4	Continuation of blink LED with some extension
Week 5	A simple program of Traffic Control using sprites and complete the task-2
Week 6	Simple program - Ultrasonic sensors and its functionalities / Object avoidance
Week 7	Line follower program
Week 8	Review and discussing about exam patterns
Week 9	Quarter Q3 exam
Week 10	ITBS practice and test

Quarter Four - Pacing Guide (AI)

DATE	LESSON
Week 1	Introduction to Artificial Intelligence and Machine Learning Sad and happy face -Teachable machine
Week 2	Continuation of last class class and explained by practical example
Week 3	Creating own avatar and text to video
Week 4	Text to image and setup blog
Week 5	Text to audio setup
Week 6	Review all and discussing the exam pattern
Week 7	Q4 exams