SAMSEN WITTAYALAI SCHOOL
ENGLISH PROGRAM

COURSE OUTLINE

Subject: Information Technology (*OT23102*)
Learning Period: 2 Periods/Week (40 Hours)
Grade Level: Mattayomsuksa 3 (Grade 9)
Learning Area: Science
Teacher: *Mr. Donjie Mejia Bardos*

Course Classification: Foundation
Credit Unit: *1.0*
Semester *2* **Academic Year** *2022*
Samsenwittayalai School English Program

I.   COURSE DESCRIPTION

A study of technological levels which are basis in safely constructing objects and utensils or methodologies through technological processes. Students apply group processes to design by conveying ideas through a projected picture to lead to the construction of objects and utensil models, or conveying concepts of the methodology through models and reporting of the results. In addition, they practice writing basic programming languages, study doing project work using information technologies and computers to facilitate creation of work pieces from imagination or work performed in daily life in accordance with the principles of project implementation with awareness and responsibility.

II.   INDICATORS

1. Learners' reading, analytical thinking and writing skills meet the criteria prescribed by the respective educational institutions.
2. Learners' desirable characteristics meet the criteria prescribed by the respective educational institutions.
3. **O 2.1 Gr 9/1** Explain the technological process.
4. **O 2.1 Gr 9/2** Safely construct objects and utensils or methodologies through the technological process by conveying ideas through a three- dimensional sketch or a projected picture, leading to constructing models of objects and utensils, or conveying concepts of the methodology through models, and reporting on results of presenting the methodology.
5. **O.3.1 Gr 9/1** Explain basic principles of implementing a project requiring application of information technologies.
6. **O.3.1 Gr 9/2** Write basic programming languages.
7. **O.3.1 Gr 9/3** Use information technologies in forms appropriate to the type of work.
8. **O.3.1 Gr 9/4** Use computer to facilitate creation of work pieces from imagination or work performed in daily life in accordance with the principles of project implementation with awareness and responsibility.

III. TENTATIVE COURSE OUTLINE

Week	Topic	Indicators	Period(s)
1	Introduction to Information Technology in 21ˢᵗ Century	3	2
2	Introduction to Microsoft Access Unit	3	2
3	*Microsoft Access Tour* ☐ Define Database, Table, Record & Field ☐ Understand Why Data Integrity is Important	3	2
4	Difference between Databases and Database Management Systems Use Microsoft Access Views	3	2
5	Getting Started in Microsoft Access ☐ Add, Update & Delete Records ☐ Use the Data Sheet & Form Views	3	2
6	Search for a Record and Open & Save Databases	3	2
7	Database Tables Unit	3	2
8	Creating Tables ☐ Creating an empty database ☐ Creating an empty Table sheet	3	2
9	The use of the Data Sheet View Describe Data Types & Primary Keys	3	2
10	Creating a Form ☐ Create a blank form ☐ Add fields to a form		2
11	Arrange controls on a form Show & Hide the Navigation Pane	3	2
12	Queries and Reports Unit	3	2
13	Searching & Filtering (Sort Tables in Ascending and Descending Order)	3	2
14	Filter Tables and Reset Filters, Searching records in a table	3	2
15	Queries & Relationships ☐ Understand Table Relationships ☐ Understand Primary & Foreign Keys	3	2
16	Create a relationship between tables Create a query using the Query Wizard	3	2
17	Filter query result assessment	3	2
18	Reports ☐ Create a summary query ☐ Create a report, using the report wizard	3	2
19	Create a summary query Create a report, using the report wizard	3	2
20	Project Making For example: Hotel Reservation Project Using Access Database	5	2
	Final Examination		

Remarks: The course outline is subject to change as appropriate.

IV. Teaching Methods and Management

- ◉ Experiment
- ◉ Lecture/Discussion
- ◉ Group work
- ◉ Individual work
- ☐ Game
- ☐ Song

- ◉ Self-learning   ◉ Demonstration   ☐ Role play
- ◉ Project   ◉ Experience   ◉ ICT
- ☐ Local Wisdom based   ☐ Others

V. Teaching Materials/ Supplements
- ◉ Handouts(softcopy)   ◉ Worksheets(softcopy)   ☐ Teacher's text book
- ◉ Graphs/ Diagrams   ☐ Maps   ◉ Pictures
- ◉ Samples/ Models   ◉ Exercises
- ☐ Commercial Text Book
- ☐ DVD/VCD
- ☐ Website
  - https://access-programs.com/
  - https://products.office.com/en-us/access
  - https://www.guru99.com/ms-access-tutorial.html
  - https://www.dummies.com/software/microsoft-office/access/what-is-microsoft-access-and-what-do-you-use-it-for/
- ☐ Others

VI. ASSESSMENT AND EVALUATION

Indicator / Score from SGS	Formative I			Midterm	Formative II					Final
	1	2	3		10	11	12	13		
Total score	5	10	10	15	10	10	20	10		
1.Learners' reading, analytical thinking					10					
2. Learners' desirable characteristics						10				
3 O 2.1 Gr 9/1	5			15						
4 O 2.1 Gr 9/2		10								20
5. O.3.1 Gr 9/1			10							
6. O.3.1 Gr 9/2							10			
7. O.3.1 Gr 9/3								10		
8. O.3.1 Gr 9/4										
Total	25			15	40					20

VII. ASSIGNMENT

SGS No.	Score (points)	Assignment	Deadline	Type			Remark
				Test	Individual	Group	
1	10	1.Learners' reading, analytical thinking					
2	10	2. Learners' desirable characteristics					
10	5	Database in 21st Century Research Presentation	3rd week of May 2022			✔	

11	10	Database System Project Plan	June (3rd week) 2022		✓		
12	10	DCT System Flow	July 2022			✓	
Midterm	15	Midterm Test	August 2022				
13	10	Project Making For example: Hotel Reservation Project Using Access Database	September 2022			✓	
Final	20	Final Test	Week 18	✓			
		Total					