SUBJECT KS4: Year 9 Computing

CARDINAL NEWMAN CATHOLIC SCHOOL

Topic: Unit R085 Creating a multipage website
Sample OCR R085 assignment task taken from the OCR website previous assignment

HTML and website development
This unit builds on from the units in term 1 and learners will be able to apply skills, knowledge and understanding gained in those units.
They will learn to apply these on a web design project. Multipage websites are the basis of internet content and are therefore used extensively
in the creative digital media sector, whether for mobile phones or computers in all their
forms.
They will design and build a website from scratch using web authoring application (Adobe Dreamweaver) and Graphics package (Fireworks)

Fw
Dw

SUMMER 3:2

SUMMER 3:1

Assessment

9.3b: Introduction to Programming with Python
In this unit students will learn the following skills:
- identify and use variable types integer, real, Boolean, character and string
- identify variables and constants in a program
- use meaningful identifier names and know why it is important to use them
- use arithmetic operations including mod and div
- use Boolean operators in pseudocode solutions
- show the results of basic string manipulation functions
- use random number generation

python

SPRING 2:2

Assessment

9.3: Introduction to Computational thinking, algorithms
This unit introduces students to the world of computational thinking and logic. With the help of many unplugged activities, students get to understand the power of problem solving and the different methods that Computer Scientists use to tackle problems. All activities that can be carried out by computer have a paper alternative..
They will learn about algorithms

SPRING 2:1

Topic R081: Pre-production skills
This unit will enable learners to understand pre-production skills used in the creative and digital media sector. It will develop their understanding of the client brief, time frames, deadlines and preparation techniques that form part of the planning and creation process.
Learning Outcome 1: Understand the purpose and content of pre-production
Learning Outcome 2: Be able to plan pre-production

Topic: Unit R088: Creating a digital sound sequence.
Sample OCR R088 assignment task taken from the OCR website previous assignment

AUTMN 1:2

Assessment

9.1 Systems architecture, memory and storage
This component will introduce learners a computer systems architecture, they will learn about the following key information in a computer
- the purpose of the Central Processing Unit (CPU),
- What is computer memory
- Types of memory and their purposes
- How data is stored, and different technologies to store data
- What is a computer networks is
- Types and purpose of computer networks.

AUTUMN 1:1

OUR LEARNING JOURNEY