St Benedict's Catholic School

Developing Wisdom, Compassion and Resilience through Prayer and Work

Ora et Labora

Computer Science Department Curriculum Guide

Year 9

Curriculum

Autumn	Spring	Summer

• Microbit Programming
   o Outputs
   o Inputs
   o Selection
   o Iteration
   o Tutorials
• Future Tech Project
   o Planning
   o Developing
   o Presenting
	• Cybersecurity
	   o Data
	   o Social Engineering
	   o Hackers
	   o Cyber Attacks
	   o Defensive Measures
	• Python Programming
	   o Outputs
	   o Variables
	   o Selection
	   o Iteration
		• Data Science
		   o Visualisations
		   o Global Data
		   o Statistics
		   o School Scenario
		• iDEA Certificate
		   o Working through online badges and challenges

Assessment & Homework

*Students will be assessed **three** times throughout the year – Topic 1, Topics 3/4, Topic 5.*

*Each assessment will be completed through a Microsoft Form on the **computer** during the lesson.*
*One **third** of the assessment will be **multiple-choice**, with the remaining questions focusing on describing, explaining and justification skills.*

*Student's **final** grade at the end of the year will be based on their **average** grade across these three assessments.*

*Students will receive **two** pieces of homework each term – **one** piece per **half term**.*

*Each homework will be completed through a Microsoft Form that can be accessed using any device that has an **Internet** connection.*
*All questions will be **multiple-choice** and are designed to **mimic** the multiple-choice element of the **assessment**.*

Resources

Topic 1 Resources - Practice Code   *Topic 3 Resources – BBC Bitesize*
Topic 4 Resources – Practice Code   *Topic 5 Resources – Information Videos*

Extra and Super Curricular Opportunities

No opportunities currently available for Year 9 students.