

Year 8 Computing Band Descriptors

Theme	
Topic	Staying Safe

Band	Success Criteria ('SKILLS' denoted in bold)
II	Students can identify dangers of using online communication
	Students can suggest measure to protect against these dangers
	Students can list a number of ways they can use the internet to socialise
III	Students can discuss advantages and disadvantages of using the internet to socialise
	Students understand how to stay safe when using online or mobile communication devices
	Students can highlight risks involved and ways to protect yourself and other people
IV	Students can produce a poster using text, images and suitable formatting to display the dangers and measures for their chosen topic
	Students can use effective research skills (advance search techniques such as speech marks) to gather the content for their staying safe poster
V	Students can create an effective poster using desktop publishing software, the poster will include a wide range of techniques used to create a professional looking poster
	Students have organised the content of the poster effectively suitable for their target audience using a key-words
VI	Students can describe several ways in which individuals and organisations can protect their data
	Students can demonstrate an understanding of the positive and negative ways in which technological developments have impacted the world

Theme	Inspirational People
Topic	Python Quiz

Band	Success Criteria ('SKILLS' denoted in bold)
II	Students can print out lines of text using Python programming language
	Students can spot mistakes in their code
	Students can print numbers as well as text using Python
III	Students can spot mistakes in their code and fix them
	Students can use Python to carry out calculations
	Students understand variables
IV	Students understand strings and integers
	Students know how to join variables to strings
	Students are able to concatenate numbers as text using str()
V	Students are able to use variables to calculate
	Students are able to create variables that collect input from the user that is both string and integer
	Students understand how a computer does comparisons
VI	Students are able to use IF statements in their code
	Students are able to create an interactive quiz using extra features
	Students have tested and debugged their code to achieve a working interactive quiz

Theme	Exercise and Wellbeing
Topic	Exercise and Wellbeing Model

Band	Success Criteria ('SKILLS' denoted in bold)
II	Students know the features of spreadsheet interface
	Students understand why we would use spreadsheets
	Students are able to use basic formulas such as addition, subtraction, division and multiplication
III	Students understand what a variable is
	Students understand what a simulation is
	Students understand what a computer model is
	Students understand the use of models and simulation in everyday internet use
IV	Students are able to fill in a computer model and understand its functioning
	Students are able to use MIN, MAX, AVERAGE and SUM functions
	Students are able to create and label a chart appropriately
V	Students are able to use a computer model to make predictions
	Students are able to use a computer model to help make decisions
VI	Students are able to use an IF statement to show the results of a true or false condition in Excel
	Students are able to use the goal seek method to answer 'What if' questions