/Computing@Balcarras_



SUBJECT		YEAR	TERM	
Computer Science		9	1	
L	INIT			
Next Steps into Programming INTENT				
During year 8, pupils learned about the core fundamentals of programming, such as variables, selection and iteration. Each of these was taught in isolation though, with small projects being made to demonstrate individual skills. During Year 9 pupils will look at how all of these concepts can be brought together to create a more complex program. Specifically, pupils will make a simple version of Rock, Paper, Scissors, which can be played against a computer.				
FUTURE LEARNING (TOPIC): GCSE Computer Science				
IMPLEMENTATIONThroughout the unit pupils will learn how to:Write simple instructions in Python.Identify and solve syntax and logic errors.Use and combine fundamental concepts and	created for	IMPACT Assessment: Pupils will submit the code they have created for their Rock, Paper, Scissors game and it will be given a 9-1 style grading.		
Write comments in code to aid understanding. areas:		s grading will be based upon the following key as: quality of code, independence, technical lerstanding.		
HOW CAN PARENTS HELP AT HOME?				
The development environment we use for programm pupils enjoy programming in lessons, they can easily learning along with them or helping them find suitab	learn more at	home. Parents can sup	port this by	

HELPFUL READING/FURTHER DISCUSSION			
READING/EXTRA-LEARNING	CAREERS	WIDER SKILLS	
There are an enormous number of online	Programming skills can lead into a wide	Digital Literacy	
courses and tutorials to help pupils	array of careers, including software	Problem Solving	
develop their programming skills further.	development, data science and game	Resilience	
	design.		
Visit the Next Steps section of the			
Computing department's Firefly page for			
more details.			
VOCABULARY			

Syntax, Instructions, Logic, Debugging, Sequence, Selection, IF ELSE, For, While, Condition, String, Integer, Real, Boolean, Casting, Input, Variable, Iteration, Random