Northolt High School
Scheme of Learning

Committed to excellence

Year group: 11	Term: 1	Unit duration: 6 weeks	Number of lessons: 6	Unit title: **Hex and Binary Conversions**

Assessment outcome: To be able to convert a denary number to hex and binary and vice versa.	Fertile question? What is the use of hexadecimal in a computer science context?	

Key skills/concepts/knowledge that students should cover	Start RAG	End RAG	Literacy. Key vocabulary/subject terminology that students should cover
To be able to convert a denary number to binary Be able to convert a binary number to denary To explain the process of the conversion and what the values are for each unit Explain what hexadecimal is and how it relates to denary and binary Convert a denary number to hexadecimal using binary as a middle point in the calculation.			Binary Hexadecimal Conversion Unit Bit Byte Nibble Denary
Stretch. Key skills/concepts/knowledge that students should cover Convert a hexadecimal number to a binary number with 16 bits and then to a denary number of over 255.			Suggested materials teachers could/should use TeachICT Computer Science Powerpoints/Worksheets
			Key home learning tasks students should complete to be set in lessons.