Educational requirements for the IB grade exam for students choosing the COMPUTER SCIENCE subject in 1349 IB School in Poznań

The scope of material:	Required skills:
1. Programming fundamentals	 construct flowcharts of algorithms using appropriate sequences, selections/conditionals, loops and operators to solve a range of problems, to fulfil a specific requirement implement algorithms using a pseudocode to solve a range of problems analise existing flowcharts of algorithms with a set of input values and finding outputs
2. Computer system	 describe the different components within a computer and the function of those components describe the functions of an operating system
3. Data representation	 describe the rationale for using the binary number system in digital computing convert between binary, hexadecimal and decimal number systems operations (addition and substraction) on binary number system
4. Network fundamentals	 characteristics of different network devices and transmission media characteristics of different types of network