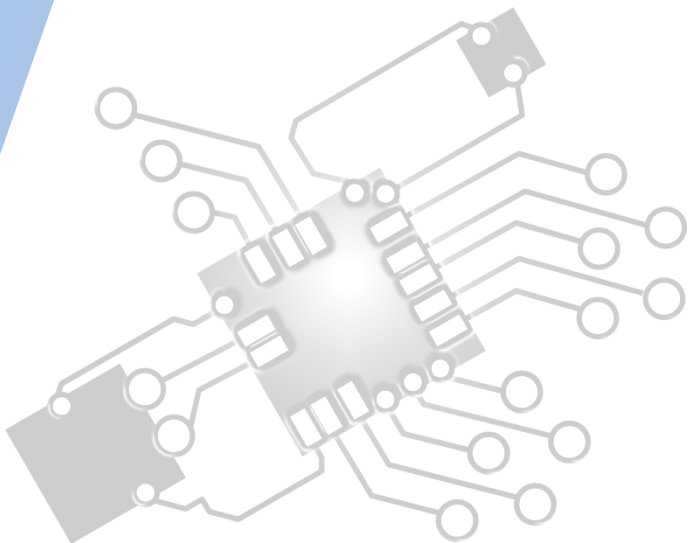




Planning & system installation

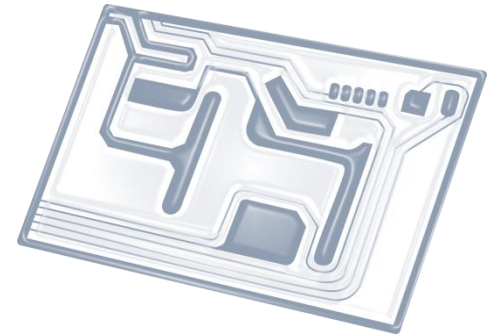
IB Computer Science



*Content developed by
Dartford Grammar School
Computer Science Department*



HL Topics 1-7, D1-4



1: System design



2: Computer Organisation



3: Networks



4: Computational thinking



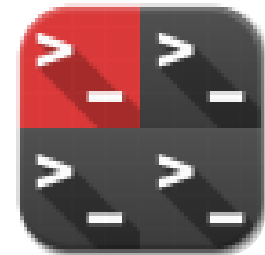
5: Abstract data structures



6: Resource management



7: Control



D: OOP

HL & SL 1.1 Overview

Planning and system installation

- 1.1.1 Identify the context for which a new system is planned.
- 1.1.2 Describe the need for change management
- 1.1.3 Outline compatibility issues resulting from situations including legacy systems or business mergers.
- 1.1.4 Compare the implementation of systems using a client's hardware with hosting systems remotely
- 1.1.5 Evaluate alternative installation processes
- 1.1.6 Discuss problems that may arise as a part of data migration
- 1.1.7 Suggest various types of testing

User focus

- 1.1.8 Describe the importance of user documentation
- 1.1.9 Evaluate different methods of providing user documentation
- 1.1.10 Evaluate different methods of delivering user training

System backup

- 1.1.11 Identify a range of causes of data loss
- 1.1.12 Outline the consequences of data loss in a specified situation
- 1.1.13 Describe a range of methods that can be used to prevent data loss

Software deployment

- 1.1.14 Describe strategies for managing releases and updates



1: System design

2: Computer Organisation



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4: Computational thinking



5: Abstract data structures

6: Resource management

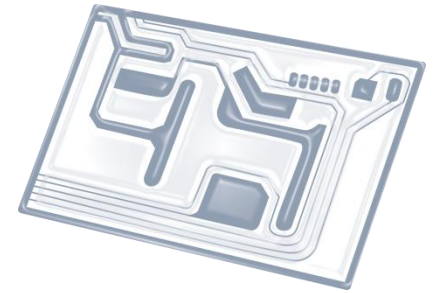


7: Control

D: OOP



Topic 1.1.2



Describe the need for **change management**

Change is hard

- Without a proper plan on how the new system will be implemented once it is designed the change from the old system to the new one will not be successful. Many factors will need to be regarded:
 - Employer/employee training
 - How will the system be implemented?
 - Type of change-over: Direct changeover? Parallel running? Pilot projects? Phased implementation?

Why does change need to be managed?

- Change management is a structured approach for ensuring that changes are thoroughly and smoothly implemented, and that the lasting benefits of change are achieved.
- The focus is on the wider impacts of change, particularly on people and how they, as individuals and teams, move from the current situation to the new one.
- The change in question could range from a simple process change, to major changes in policy or strategy needed if the organization is to achieve its potential.