Core + database option timeline

Timings based on the following assumptions:

	SL	HL
Year 1 semester 1, Year 1 semester 2 and Year 2 semester 1	42 per semester	70 per semester
Year 2 semester 2	24	30
Total	150	240

- Both SL and HL students are taught in the same class.
- The last semester has been kept down due to revision and the exams. The topics in the guide do not have detailed point-by-point timings.
- Topics 4.1 and 4.2 taught through the other topics as threads.
- Group 4 project is based on models that are used in some schools.

Year 1	Core (+SL option)	HL extension
Semester 1	**SL/HL core:** **1.1** Systems in organizations 1.1.1–1.1.10, 1.1.14 **1.2** System design basics 1.2.1–1.2.11 **3.1** Networks 3.1.1–3.1.5, 3.1.12–3.1.16 **SL/HL option core:** **A.1.1 – A 1.3** Basic database concepts **A.2 (all)** The relational database model **Integrated topics** **4.1** General principles (thinking abstractly and procedurally predominantly) **4.2** Connecting computational thinking	**HL option ext:** **A.4.1, A.4.3–A.4.9** Database analysis **HL ext:** **7.1.1–7.1.7** Centralized control
Semester 2	**SL/HL core:** **1.2** System design basics 1.2.12–1.2.16 **2.1** Computer organization 2.1.1–2.1.10 **4.3** Introduction to programming 4.3.1–4.3.9 **SL/HL option core:** **A.1.4–A 1.9** Basic database concepts **A.2 (all)** The relational database model **Integrated topics** **4.1** General principles (thinking logically, ahead and concurrently) **4.2** Connecting computational thinking **Commencement of internal assessment** **Commencement of group 4 project**	**HL ext:** **A.4.2, A.4.10–A.4.11,** (A.3.7–A.3.8), Further database models and database analysis **HL option ext:** **6.1.1–6.1.9** Resource management **Case study** Introduction to case study

Year 2		
Semester 1	**SL/HL core** **1.1** Systems in organizations 1.1.11–1.1.13 **1.2** System design basics 1.2.12 – 1.2.16 **3.1** Networks 3.1.6 – 3.1.11 **SL/HL option core:** **A.3 (all)** Database management **Integrated topics** **4.1** General principles (thinking logically, ahead and concurrently) **4.2** Connecting computational thinking **Completion of internal assessment** **Completion of group 4 project**	**HL ext:** **5.1.1–5.1.20** Abstract data structures **Case study** Research linked to case study, analysis of information
Semester 2	**SL/HL core:** **2.1** Computer organization 2.1.11– 2.1.13 **4.3** Intro to programming 4.3.10–4.3.13 **Submission of internal assessment**	**HL ext:** **A.4.12–A.4.15** Further database analysis **7.1.8–7.1.9** Distributed systems **Case study** Synthesis and evaluation of research linked to case study