

A starting allocation over 56 teaching weeks, weighted by how much syllabus content each topic carries — adjust to your own calendar. The last column lists the Library material that already covers the topic. 这是按内容容量分配的起始教学计划, 可按实际校历调整; 最后一栏列出资料库中已有的配套材料。

| Weeks | Topic                                                         | Subtopics              | Library material                                                                                                              |
|-------|---------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| 1–3   | <b>1. Information representation</b><br>信息表示                  | 1.1, 1.2, 1.3          | Handout · 6 Learn lessons · Slide deck · Vocabulary list · 3 exercise sheets · 3 past-paper sheets · Unit test                |
| 4–5   | <b>2. Communication</b><br>通信                                 | 2.1                    | Handout · 4 Learn lessons · Slide deck · Vocabulary list · 1 exercise sheet · 1 past-paper sheet · Unit test                  |
| 6–8   | <b>3. Hardware</b><br>硬件                                      | 3.1, 3.2               | Handout · 6 Learn lessons · Slide deck · Vocabulary list · Starter quiz · 2 exercise sheets · 2 past-paper sheets · Unit test |
| 9–11  | <b>4. Processor Fundamentals</b><br>处理器基础                     | 4.1, 4.2, 4.3          | Handout · 4 Learn lessons · Slide deck · Vocabulary list · 3 exercise sheets · 3 past-paper sheets · Unit test                |
| 12–14 | <b>5. System Software</b><br>系统软件                             | 5.1, 5.2               | Handout · 3 Learn lessons · Slide deck · Vocabulary list · 2 exercise sheets · 2 past-paper sheets · Unit test                |
| 15–17 | <b>6. Security, privacy and data integrity</b><br>安全、隐私与数据完整性 | 6.1, 6.2               | Handout · 3 Learn lessons · Slide deck · Vocabulary list · 2 exercise sheets · 2 past-paper sheets · Unit test                |
| 18–19 | <b>7. Ethics and Ownership</b><br>伦理与所有权                      | 7.1                    | Handout · 3 Learn lessons · Slide deck · Vocabulary list · 1 exercise sheet · 1 past-paper sheet · Unit test                  |
| 20–22 | <b>8. Databases</b><br>数据库                                    | 8.1, 8.2, 8.3          | Handout · 4 Learn lessons · Slide deck · Vocabulary list · 3 exercise sheets · 3 past-paper sheets · Unit test                |
| 23–25 | <b>9. Algorithm Design and Problem-solving</b><br>算法设计与问题求解   | 9.1, 9.2               | Handout · 3 Learn lessons · Slide deck · Vocabulary list · 2 exercise sheets · 2 past-paper sheets · Unit test                |
| 26–29 | <b>10. Data Types and Structures</b><br>数据类型与数据结构             | 10.1, 10.2, 10.3, 10.4 | Handout · 5 Learn lessons · Slide deck · Vocabulary list · 4 exercise sheets · 4 past-paper sheets · Unit test                |

| Weeks | Topic                                                              | Subtopics        | Library material                                                                                               |
|-------|--------------------------------------------------------------------|------------------|----------------------------------------------------------------------------------------------------------------|
| 30–32 | <b>11. Programming</b><br>程序设计                                     | 11.1, 11.2, 11.3 | Handout · 3 Learn lessons · Slide deck · Vocabulary list · 3 exercise sheets · 3 past-paper sheets · Unit test |
| 33–35 | <b>12. Software Development</b><br>软件开发                            | 12.1, 12.2, 12.3 | Handout · 3 Learn lessons · Slide deck · Vocabulary list · 3 exercise sheets · 3 past-paper sheets · Unit test |
| 36–38 | <b>13. Data Representation</b><br>数据表示                             | 13.1, 13.2, 13.3 | Handout · 4 Learn lessons · Slide deck · Vocabulary list · 3 exercise sheets · 3 past-paper sheets · Unit test |
| 39–41 | <b>14. Communication and internet technologies</b><br>通信与互联网技术     | 14.1, 14.2       | Handout · 3 Learn lessons · Slide deck · Vocabulary list · 2 exercise sheets · 2 past-paper sheets · Unit test |
| 42–44 | <b>15. Hardware and Virtual Machines</b><br>硬件与虚拟机                 | 15.1, 15.2       | Handout · 4 Learn lessons · Slide deck · Vocabulary list · 2 exercise sheets · 2 past-paper sheets · Unit test |
| 45–47 | <b>16. System Software</b><br>系统软件                                 | 16.1, 16.2       | Handout · 4 Learn lessons · Slide deck · Vocabulary list · 2 exercise sheets · 2 past-paper sheets · Unit test |
| 48–49 | <b>17. Security</b><br>安全                                          | 17.1             | Handout · 2 Learn lessons · Slide deck · Vocabulary list · 1 exercise sheet · 1 past-paper sheet · Unit test   |
| 50–51 | <b>18. Artificial Intelligence (AI)</b><br>人工智能 (AI)               | 18.1             | Handout · 3 Learn lessons · Slide deck · Vocabulary list · 1 exercise sheet · 1 past-paper sheet · Unit test   |
| 52–54 | <b>19. Computational thinking and Problem-solving</b><br>计算思维与问题求解 | 19.1, 19.2       | Handout · 4 Learn lessons · Slide deck · Vocabulary list · 2 exercise sheets · 2 past-paper sheets · Unit test |
| 55–56 | <b>20. Further Programming</b><br>进阶程序设计                           | 20.1, 20.2       | Handout · 4 Learn lessons · Slide deck · Vocabulary list · 2 exercise sheets · 2 past-paper sheets · Unit test |