|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **The City School**  **Syllabus Break up**  **Class 11** | | | | | |
| **1** | 1-6 | 3 |  | * show understanding of the need to keep data safe from accidental damage, including corruptionandhuman errors * show understanding of the need to keep data safe from malicious actions, including unauthorizedviewing, deleting, copying and corruption * show understanding of how data are kept safe when stored and transmitted, including:   – use of passwords, both entered at  keyboard and biometric  – use of firewalls, both software and  hardware, including proxy servers  – use of security protocols such as  Secure Socket Layer (SSL) and  Transport Layer Security (TLS)  – use of symmetric encryption (plain  text, cypher text and use of a key)  showing understanding that  increasing the length of a key  increases the strength of the  encryption |  |
| **1** | 7-12  13-14 | |  | | --- | | **Data structures:**  **arrays andusing**  **pre-release**  **material** | |  | * declare and use one-dimensional arrays, for example: A[1:n] * show understanding of the use of one-dimensional arrays, including the use of a variable as anindex in an array * read or write values in an array using a FOR … TO … NEXT loop   **Revision** |  |
| **2** | 1-14 | **Revision From Past Papers** | | | |