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| **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** | 7-1213-14 |

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| **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** |