|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Indian School Al Wadi Al Kabir - Syllabus break up for 2014-15** | | | | |
| Class 12  Comp.sc | Week1 | Week2 | Week3 | Week4 |
| **APRIL** | Revision tour**(3&4)** – Data Handling**(3&4)** , Operators**(3&4)**, Flow of control**(3&4)**, arrays**(3&4)** , functions**(3&4)** | Revision Tour**(3&4)** – Structures**(3&4)** , standard library functions**(3&4)** , Structures**(3&4)** | OOP concepts**(1&2)**, Classes and Objects**(2)** – Basic concepts**(2)** – advantages & disadvantages**(2)** , function overloading**(2&3)** | Classes and Objects – classes**(2)**, data hiding**(2)** , encapsulation**(2)**, functions in a class**(2)**, using objects**(2)** , static class members**(2)** |
| **MAY** | Constructors and Destructors**(2)** - Types of constructors**(2&3)**, Invoking constructors**(2&3)**, Destructors**(2&3)** | Inheritance (Extending classes) **(2)** – Types, Single, Multiple, Multilevel, Hierarchical**(2&3)** – Access controls**(2&3)**  Data File Handling – types of files - introduction | Data File Handling**(2)** – text file, binary file – opening & closing a file**(2&3)** – reading & writing data onto file**(2&3)**. | Data File Handling – sequential I/O with files, Detecting EOF – file pointers –random access files**(3,4 & 5)**. |
| **JUNE** | Arrays**(1&2)** – One Dim and Two Dim arrays**(1&2)** – Sorting**(3,4,5&6)** - Searching**(3,4,5&6)** | Arrays –merging**(3,4,5&6)** –Pointers**(3,4,5&6)** – Declaration & Initialization**(3,4,5&6)** – Dynamic allocation**(3,4,5&6)** | C++ Project**(6)** |  |

**Skills to be Applied are as shown below to be given as subscript for each Topic.**

1. Remembering 2. Understanding 3. Applying 4. Analyzing 5. Evaluating 6. Creating

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | | | | |
|  |  |  |  |  |
|  |  |  |  |  |