

ATOMIC ENERGY CENTRAL SCHOOLS
MONTH WISE BREAKUP OF SYLLABUS – (2012-2013)

CLASS: IV

SUBJECT: COMPUTER SCIENCE

Month and No. of working days	Name of the lesson & Topics	Practical
April (21 days)	Lesson 1: Computer Fundamentals Introduction ,generation of computer & computer memory	Introduction : parts of computers Keyboard and mouse
June (16 days)	Lesson 1: Computer Fundamentals Bit and Byte, Microprocessor, Motherboard	Typing Practice& Paint brush
July (25 days)	Lesson 2: Editing in MS WORD Introduction, Inserting Text, Selecting Text & Deleting Text	Creating a document in MS word
August (23 days)	Lesson 2: Editing in MS WORD cont. Coping & Moving Text, Undo and Redo Commands, Spelling, Grammar & Thesaurus	Using Undo & Redo commands in the document.
September (23 days)	Revision	Practical Test
October (22 days)	Lesson 3: Formatting in MS WORD Introduction , using formatting tool bar & using font dialog	Formatting the document
November (12 days)	Lesson 3: Formatting in MS WORD Using format painter , applying borders, shading and change case	Using format painter & borders.
December (17 days)	Lesson 4: LOGO PRIMITIVES Introduction & Primitives	Using basic primitives in LOGO.
January, 2012 (23 days)	Lesson 4: LOGO PRIMITIVES Primitives cont.,	Using more primitives in LOGO
February (22 days)	Lesson 4: LOGO PRIMITIVES looping	Using looping primitives in LOGO
March (6 days)	Revision	Practical Test

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CLASS: V

SUBJECT: COMPUTER SCIENCE

Month and No. of working days	Name of the lesson & Topics	Practical
April (21 days)	Lesson 1: Computer Memory Introduction, storage capacity & types of memory.	Display the parts of computers like RAM, HDD, CD Drive, Processor, floppy etc.
June (16 days)	Lesson 2: Tables and graphics in MS word. Introduction, creating and modifying tables	Create a table in word and modify it using insert and delete cells.
July (25 days)	Lesson 2: Tables and graphics in MS word. Formatting a table, Performing Calculations in a Table & Inserting Images	Formatting the table and inserting images.
August (23 days)	Lesson 2: Tables and graphics in MS word. Word art & working with drawing object	Working with Word Art and drawing objects.
September (23 days)	Revision & Assessment	Practical Test
October (22 days)	Lesson 3: More on LOGO Introduction Revision of LOGO Primitives	Revision of basic LOGO programs.
November (12 days)	Lesson 3: More on LOGO Procedures	Working with procedure primitives in LOGO.
December (17 days)	Lesson 3: More on LOGO Input to procedure (Procedure cont.)	Working with Input to procedure primitives in LOGO.
January, 2012 (23 days)	Lesson 3: More on LOGO Sub procedures Deleting procedures	Working with sub-procedure primitives in LOGO.
February (22 days)	Lesson 3: More on LOGO - Debugging - Saving files - Opening files - Closing files	Debugging LOGO Project in Page 52
March (6 days)	Revision	Practical Test

ATOMIC ENERGY CENTRAL SCHOOLS
MONTH WISE BREAKUP OF SYLLABUS – (2012-2013)

CLASS: VI

SUBJECT: COMPUTER SCIENCE

Month and No. of working days	Name of the lesson & Topics	Practical
April (21 days)	Lesson 1: Computer Fundamentals: Introduction, Working of a Computer, Input Devices, Central Processing Unit (CPU)	Introducing the Input Devices
June (16 days)	Lesson 1: Computer Fundamentals: Output Devices & Computer Memory	Introducing the Output Devices
July (25 days)	Lesson 2: Advanced Features in Word: Introduction, Footnotes and Endnotes & Mail Merge	Creating a mail merged document in word
August (23 days)	Lesson 3: Introduction to MS Excel: Introduction, Starting MS Excel, Excel Window, Getting Help, Working with Workbook and Worksheet, Closing Workbook and Exiting Excel.	Creating a Worksheet in Excel
September (23 days)	Revision & Summative Assessment - 1	Practical Examination
October (22 days)	Lesson 4: More on MS Excel: Introduction, Selection in a Worksheet, Editing in a Worksheet & Formatting a Worksheet.	Formatting the Excel sheet
November (12 days)	Lesson 4: More on MS Excel: Formatting Numbers & Creating Series	Formatting the numbers and using auto series the Excel sheet
December (17 days)	Lesson 5: Introduction to QBASIC: Introduction, Starting QBasic	Getting into QBasic environment.
January, 2012 (23 days)	Lesson 5: Introduction to QBASIC: Working with QBasic, Elements of a QBasic Program.	Working with basic commands in QBasic
February (22 days)	Lesson 5: Introduction to QBASIC: QBasic Commands, Conditional Statements	Working with conditional statement commands in QBasic
March (6 days)	Revision & Summative Assessment - 2	Practical exam

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MONTH WISE BREAKUP OF SYLLABUS – (2012-2013)

CLASS: VII

SUBJECT: COMPUTER SCIENCE

Month and No. of working days	Name of the lesson & Topics	Practical
April (21 days)	Lesson 1: Computer Fundamentals: Introduction, Input Devices & Output Devices	Demonstration of devices and software as mentioned in the chapter
June (16 days)	Lesson 1 (Continued): Software, Computer Languages	Demonstration of devices and software as mentioned in the chapter
July (25 days)	Lesson 2: Formulas and Functions in MS Excel: Introduction, Formula, Functions, Using AutoSum, Error in Formulae and Functions & Printing in Excel.	Using formulas, functions & AutoSum in a worksheet.
August (23 days)	Lesson 3: Sorting and Filtering in MS Excel: Introduction, Sorting Data, Filtering Data & Conditional Formatting.	Using Sorting Data, Filtering Data & Conditional Formatting in a worksheet.
September (23 days)	Revision & Summative Assessment - 1	Practical Test
October (22 days)	Lesson 4: Creating Charts in MS Excel: Introduction, Components of a Chart, Types of Charts & Creating of Charts.	Creating Charts in MS Excel
November (12 days)	Lesson 4: Continued Resizing and Moving Charts & Using the Chart Toolbar	Working with Charts to resize and move it.
December (17 days)	Lesson 5: Advanced Features of QBASIC: Introduction, Iterative Statements & Jump Statements	Working with Iterative & Jump Statement commands in QBASIC
January, 2012 (23 days)	Lesson 5 Continued: Jump Statements & QBasic Functions.	Working with function commands in QBASIC
February (22 days)	Lesson 5 Continued: Graphics in QBasic & Sound Effects	QBASIC Practical & Revision
March (6 days)	Revision & Summative Assessment - 2	Practical Test

ATOMIC ENERGY CENTRAL SCHOOLS
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CLASS: VIII

SUBJECT: COMPUTER SCIENCE

Month and No. of working days	Name of the lesson & Topics	Practical
April (21 days)	Lesson 1: Networking Concepts: Introduction, Computer Networks, Types of Networks, Intranet and Extranet, Protocols, Data Communication & Network Devices.	Showing the N/W components like caches, cards, switches, hubs etc.
May (Nil)		
June (16 days)	Lesson 2: Introduction to Microsoft Access: Introduction, Database and Database Management System	Creating and maintaining database elements like tables, queries & reports ...
July (25 days)	Lesson 2: Introduction to Microsoft Access: Microsoft Access, Working with a Database & Working with Tables	Creating and maintaining database elements like tables, queries & reports ...
August (23 days)	Lesson 2: Introduction to Microsoft Access: Working with Queries, Working with Reports, Closing Database and Exiting Access.	Creating and maintaining database elements like tables, queries & reports ...
September (23 days)	Revision & Summative Assessment - 1	Practical Test
October (22 days)	Lesson 3: List and Images in HTML: Introduction, Basics of HTML	Web page designing using HTML
November (12 days)	Lesson 3: List and Images in HTML: Structure of an HTML Document	Web page designing using Basic HTML elements
December (17 days)	Lesson 3: List and Images in HTML: LIST Element	Web page designing LIST Element
January, 2012 (23 days)	Lesson 3: List and Images in HTML: IMAGE Element	Web page designing IMAGE Element
February (22 days)	Revision of Lesson 3, Creating web pages using HTML	Practice of Web page design & Practical test
March (6 days)	Revision & Summative Assessment - 2	Practical Test

ATOMIC ENERGY CENTRAL SCHOOLS
MONTH WISE BREAKUP OF SYLLABUS – (2012-2013)

CLASS: IX

SUBJECT: COMPUTER SCIENCE

Month and No. of working days	Name of the lesson & Topics	Practical
April (21 days)	Lesson 1: Computing Technology: Introduction, Computer System, Memory, Input Devices (including sub topics)	Demo of input devices.
May (Nil)		
June (16 days)	Lesson 1: Computing Technology: Output Devices, Storage Devices (including sub topics), Summary & Exercise	Demo on output devices and storage devices.
July (25 days)	Lesson 3: Microsoft Excel: Introduction to Spreadsheets, Spreadsheet Programs, Working with a workbook & worksheets, editing worksheet & formatting a worksheet.	Creating a worksheet. Formatting the worksheet
August (23 days)	Lesson 3: Microsoft Excel: Functions, Using AutoSum, Formulae, Inserting Charts, PivotTable and printing in Excel.	Using the functions for calculations in Excel sheet. Creating charts. Creating a pivot table.
September (23 days)	Revision & Summative Assessment - 1	Project using Excel.
October (22 days)	Lesson 2: Introduction to Windows: Introduction, Windows XP, Desktop , Using advanced options: My computer, Recycle Bin, Working with a Window, Windows Explorer (including sub topics)	Customising the taskbar
November (12 days)	Lesson 2: Introduction to Windows: Basic Windows Accessories, Notepad, Paint, Using Clipboard, Exiting Windows XP (including sub topics)	Working with windows accessories.
December (17 days)	Lesson 4: Microsoft PowerPoint: Introduction to Presentation Graphics, Presentation Software, Working with PowerPoint, Different views of a Slide & Editing and formatting slides.	Creating a powerpoint presentation & use different views.
January, 2012 (23 days)	Lesson 4: Microsoft PowerPoint: Working with Graphics, Adding Multimedia Effects to Slides,	Inserting pictures, Cliparts, . Grouping the objects. Working with shapes & objects.
February (22 days)	Lesson 4: Microsoft PowerPoint: Running Slide Show, Setting Page Layout, Printing in Powerpoint & Revision	Using the Rehearse timings feature. Setting page layout
March (6 days)	Summative Assessment - 2	Practical Test

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CLASS: X

SUBJECT: COMPUTER SCIENCE

Month and No. of working days	Name of the lesson & Topics	Practical
April (21 days)	Lesson 1: HTML Introduction, What is HTML?, HTML constructs, working with HTML	Create a webpage using Html Body Elements
May (Nil)		
June (16 days)	Lesson 1: HTML Structure of an HTML document, Text Level Elements, Logical Elements	Creating a webpage using Html Text level elements & Logical elements
July (25 days)	Lesson 1: HTML Block-level Elements, Formatting Styles, Comment Element, Lists in HTML Document.	Creating a webpage using Block level elements, Font elements & Comment elements. Creating a webpage for creating list.
August (23 days)	Lesson 1: HTML Images in HTML Document, Tables in HTML Document, Hyperlinks in HTML Document.	Creating a webpage using Image elements & Table Elements. Creating a webpage with hyperlinks.
September (23 days)	Revision & Summative Assessment - 2	Creating a website using HTML.
October (22 days)	Lesson 2: Microsoft Access Introduction, Database Management: basic concepts, MS Access environment.	Introducing MS-Access Environment such as Title bar, Menu bar, Tool bar and Status bar
November (12 days)	Lesson 2: Microsoft Access Working with a Database, Creating Tables	Creating , saving and opening a database. Creating a table in design view. Creating a table using Wizard. Creating a table by entering data
December (17 days)	Lesson 2: Microsoft Access Working with Tables, Page Layout, Printing in MS Access	Inserting and delete records from the database.
January, 2012 (23 days)	Lesson 3: Introduction to Linux What is an OS? Functions, Common OS, Introduction to Linux, Red Hat Enterprise Linux, Customizing the Desktop, Working with Documents,	Working with OpenOffice.org suite
February (22 days)	Lesson 3: Introduction to Linux User Administration, Basic Commands to Work on Shell Konsole, File management, Monitorig your System.	Practicing basic Commands in Linux