

**CARMEL CONVENT SR.SEC.SCHOOL, RATANPUR, BHOPAL**  
**SYLLABUS**

CLASS 6

SUBJECT-COMPUTER

| Month / No of Working Days | Name of the Unit / Chapter/Topic  | Learning Outcomes  | Suggested Activities/ Projects under Internal Assessment/PRACTICALS  | Assignment  | Assessment   |
|----------------------------|-----------------------------------|--|--|---|--|
| APRIL                      | CHAPTER 1- Computer languages     | By studying this unit, a student will be able to: -<br>1) Discuss about programming languages.<br>2) Differentiate between low level and high-level languages.<br>3) Explain and differentiate between language processors | 1) Make a PowerPoint presentation on features of latest high-level languages and use appropriate pictures in the presentation.<br><br>2) Divide the class into two groups and discuss the topic "low level languages and "highlevel languages".                    | 1) Search the information about programming languages on the internet and make a chart on it.                     | Worksheets and class test, needs to be conducted so that the student's knowledge can be evaluated.           |
| JUNE                       | Chapter 10 Internet services      | After studying this module, the student will be able to: -<br>1) Describe Ecommerce and its features.<br>2) State Ecommerce Applications<br>3) Buy products online<br>4) Book or cancel tickets online.                    | 1) Search names of various E-shopping websites on the internet.<br>2) Write the features of any three E-commerce applications in MS-word.  | 1) Make a power point presentation on the topic E-commerce.   | Worksheets, revision and class tests can be conducted so that the knowledge of the student can be evaluated. |
| JULY                       | Chapter-14 Introduction to coding | After studying this chapter, a student will be able to: -<br>1) Learn real life uses of computers<br>2) learn the basic concepts of coding and know the names of some programming languages                                | 1) Under the supervision of a teacher, start the irctc application and view the different parameters given there.<br>2) Divide the class into two groups and discuss "Humans are superior to machines how".<br>3) Know the difference between humans and machines. | 1) View things in your surroundings, that are regarded as smart machines, make a list and show it to your teacher | <b>(PT-1)</b><br><b>(Chapter 1 and Chapter 10)</b>   |

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| AUGUST    | Chapter-15 Algorithms with block coding. | After studying this module, a student will be able to: -<br>1) Know the algorithm to search a contact in phone. 2) Get acquainted with flow chart and understand the benefits of using a flow chart. 3) Learn the basic concept of pseudocode and know the block coding to write "Hello world" program.                     | 1) Open the Makecode programming platform, Perform the project as given in the chapter. Using your own creativity and display the text other than hello world.     | 1) Perform a group discussion on the topic "the advantages and disadvantages of flow chart.<br>2) Draw a flow chart to determine the average of three numbers. | For assessment Class test and worksheets can be given to they the understanding of the student. |
| SEPTEMBER | Chapter-16 Control with conditionals     | After studying this module, a student will be able to: -<br>1) Learn about conditional statements<br>2) Know about AND, OR and NOT operators<br>3) Understand how to combine simple conditional statements with operators<br>4) Learn about the nested conditional<br>5) Learn to apply logical operations in block coding. | 1) Start Make code application. Do this project as given in the chapter.<br>2) Divide the class into two groups and perform a discussion on "Use of conditionals". | 1) Start the make code application and perform the project as given in the chapter and change the parameter and view the result.                               | <b>TERM 1 (Ch1, Ch10 Ch14 and Ch15)</b>   |

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| OCTOBER  | Chapter-17<br>Basics of<br>Artificial<br>Intelligence | By learning this Module, a student will be able to:<br>1) Know intelligence is<br>2) Learn about Gardeners theory of multiple intelligence.<br>3) Know about analytical, creative and practical intelligence<br>4) Know the features and the need of Artificial intelligence and different definitions given by different organizations | 1) View the use of Cortana, the AI tool in Windows 10.   | 1) Divide the class into two groups and discuss the topic "importance of AI in our life".   | Application based questions can be given as assessment along with worksheets and test material for the evaluation of the students. |
| NOVEMBER | Chapter-11<br>Computer crime, ethics and security     | By learning this module, the student will be able to: - 1) Know the advantages and disadvantages of using the internet<br>2) Learn about computer ethics<br>3) Know about the different unethical practices prevalent in the society related to internet<br>4) Discuss different safety measures to be taken while using the internet.  | 1) Open Ms word 2016 and create a poster to represent computer ethics.<br>2) Save the document and take the print out of it. | 1) Conduct a group discussion on the topic "computer security"<br>2) Create a poster to make people aware about "DON'T USE PIRATED SOFTWARE". | Application based questions can be given as assessment along with worksheets and test material for the evaluation of the students  |

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| DECEMBER | Chapter-18<br>Evolution of Artificial Intelligence | By studying this unit, a student will be able to:<br>1)Be on a tour Of artificial intelligence 2)Get acquainted with artificial neurons | 1) Using the internet search the information on the topic “AI winters”. | 1)Using the internet search the topic “Evolution of AI” and make a beautiful project depicting how it has evolved from its day of invention till now. | <b>(PT-2 Ch16 and Ch17)</b>  |
| JANUARY  | Chapter-18<br>Evolution of Artificial Intelligence | 3) Know how Turing machines developed<br>4)Get introduced with AI winter.   | 2)Conduct a group discussion on the topic “AI a curse or a boon”        | Make a PowerPoint presentation on the theme “Evolution of AI”.  | Worksheets, Revision material and practice questions can be given. |
| FEBRUARY | Revision   |   |   |   | <b>TERM 2 (Ch11, Ch16, Ch17 and Ch18)</b>                          |

NAME OF THE SUBJECT TEACHER: Mr. Jaideep Mathew.

SIGNATURE OF THE SUBJECT COORDINATOR: Mr. Praveen Agarwal.