

NAVY CHILDREN SCHOOL, MUMBAI
CLASS IX SPLIT-UP SYLLABUS FOR THE SESSION: 2024-25
ARTIFICIAL INTELLIGENCE (417)

Month	No. of Periods	Chapter	Detailed Split Up Syllabus	Learning Outcomes	Practical's/Activities Refer to CBSE book Link & Refer to CBSE AI Handbook book & Detailed Curriculum Link Given Below :
April	8	PART-A: EMPLOYABILITY SKILLS Unit 1:Communication Skills-I	1. Introduction to Communication: Verbal Communication, Non-Verbal Communication 2. Writing Skills: Parts of Speech,Sentences 3. Pronunciation Basics 4. Greetings and Introduction 5. Talking about Self	After completing this session, Students will be able to: <ul style="list-style-type: none"> Identify the elements of communication & draw a communication cycle. Identify the factors affecting our perspectives in communication. Identify & Explain the verbal & Non Verbal method of communication. List the 7Cs of communication. Speak confidently in public using the 3Ps method Avoid common mistakes in non-verbal communication Identify & Explain the usage of the basic & Supporting parts of speech Identify and compose different types of sentences Pronounce (speak correctly) simple words used in your conversations. Introduce yourself to other people. Ask the questions according to a situation. 	https://cbseacademic.nic.in/web_material/Curriculum21/publication/secondary/Employability_Skills_IX.pdf
May & June	4	PART-A: EMPLOYABILITY SKILLS Unit 2: Self Management Skills-I	1. Introduction to Self-management: Strengths and Weakness Analysis 2. Self-confidence & Positive Thinking 3. Personal Hygiene 4. Grooming	After completing this session, Students will be able to: <ul style="list-style-type: none"> Describe the importance of self-management in your own words. List the various self-management skills. List your own strengths and weaknesses. List & Identify the qualities of self-confident people. List factors that influence self-confidence. Define positive attitude. List the benefits of having a positive attitude. Identify ways in which you can develop a positive attitude. List the benefits of maintaining personal hygiene & Grooming. 	https://cbseacademic.nic.in/web_material/Curriculum21/publication/secondary/Employability_Skills_IX.pdf
July	6	PART-B – SUBJECT SPECIFIC SKILLS Unit 1: AI Reflection, Project Cycle and Ethics	1. AI Reflection 2. AI PROJECT CYCLE 3. AI Ethics	After completing this session, Students will be able to: <ul style="list-style-type: none"> To identify and appreciate Artificial Intelligence and describe its applications in daily life. To recognize, engage and relate with the three realms of AI: , Computer Vision, Data Statistics and Natural Language Processing. Identify the AI Project Cycle framework. Learn problem scoping and ways to set goals for an AI project. Identify stakeholders involved in the problem scoped. Brainstorm on the ethical issues involved around the problem selected. Understand the iterative nature of problem scoping for in the AI project cycle. Foresee the kind of data required and the kind of analysis to be done. To understand the purpose of Data Visualisation Understand modeling (Rulebased & Learning-based) To understand and reflect on the ethical issues around AI. To gain awareness around AI bias and AI access. 	https://cbseacademic.nic.in/web_material/Curriculum25/publication/secondary/417_AI_Handbook_Class9.pdf
Aug	6	PART-B – SUBJECT SPECIFIC SKILLS Unit 2: Data Literacy	1. Basics of data literacy 2. Acquiring data,Processing & Interpreting Data 3. Project Interactive Data Dashboard & Presentation	After completing this session, Students will be able to: <ul style="list-style-type: none"> Define data literacy and recognize its importance Understand how data literacy enables informed decisionmaking and critical thinking Apply the Data Literacy Process Framework to analyze and interpret data effectively. Learn measures to protect data privacy and enhance data security Classify different types of data and enlist different methodologies to acquire it Enlist and explain the different methods of data interpretation Discover different methods of data visualization Identify potential risks associated with data breaches and unauthorized access. 	https://cbseacademic.nic.in/web_material/Curriculum25/publication/secondary/417_AI_Handbook_Class9.pdf

Sep	6	PART-B – SUBJECT SPECIFIC SKILLS Unit 3: Math for AI (Statistics & Probability) and Unit 4: Introduction to Generative AI	1. Importance of Math for AI 2. Statistics 3. Probability 4. GENERATIVE AI	After completing this session, Students will be able to: • Analyzing the data in the form of numbers/images and find the relation/pattern between the them.Use of Math in AI. • Number Patterns Picture Analogy • Understand the concept of Statistics in real life. • Application in various real life scenarios. • Understand the concept of Probability in real life and explore various types of events • Application in various real life scenarios • Students will be able to define Generative AI & classify different kinds. • Students will be able to explain how Generative AI works and recognize how it learns. • Applying Generative AI tools to create content • Understanding the ethical considerations of using Generative AI.	https://cbseacademic.nic.in/web_material/Curriculum25/publication/secondary/417_AI_Handbook_Class9.pdf			
Oct & Nov	8	PART-B – SUBJECT SPECIFIC SKILLS Unit 5: Introduction to Python	1. Introduction to Language Python 2. Modes of Python 3. Python Programming and its Applications 4. Python Basic -Variables, Arithmetic Operators, Expressions 5. Data Types - integer, float, strings 6. print() and input() functions 7. Python List	After completing this session, Students will be able to: • Learn basic programming skills through gamified platforms. • Acquire introductory Python programming skills in a very user-friendly format. • Develop basic principles of Computational thinking along with the defined use of various types of operators and high order structure like list, tuples and strings • Theory + Practical: Python Basics • Students go through lessons on Python Basics • Students will try some simple problem-solving exercises on Python Compiler.	https://cbseacademic.nic.in/web_material/Curriculum25/publication/secondary/417_AI_Handbook_Class9.pdf			
Dec	4	PART-A: EMPLOYABILITY SKILLS Unit 3: ICT Skills-I	1. Introduction to ICT 2. ICT Tools: Smartphones and Tablets- I 3. ICT Tools: Smartphones and Tablets — II 4. Parts of Computer and Peripherals 5. Basic Computer Operations 6. Performing Basic File Operations 7. Communication and Networking — Basics of Internet,Internet Browsing,Introduction to e-mail, Creating an e-mail Account, Writing an e-mail, Receiving and Replying to e-mails	After completing this session, Students will be able to: • Identify the importance of information and communication technology. • List the various tools that are being used for ICT. • Demonstrate the knowledge of application of ICT in our daily life • Differentiate between smartphones and tablets. • Identify various parts of a mobile device and list their functions. • Identify the basic parts of a computer. • List the use of input and output devices. • List the functions of the CPU. • Differentiate between RAM and ROM. • Identify the various keys on a keyboard and their associated functions. • Identify the various uses of Internet. • List the benefits of an e-mail account. • Identify the various elements of the e-mail message. • Compose and send an e-mail message.	https://cbseacademic.nic.in/web_material/Curriculum21/publication/secondary/Employability_Skills_IX.pdf			
Jan	5	PART-A: EMPLOYABILITY SKILLS Unit 4: Entrepreneurial Skills-I	1. What is Entrepreneurship? 2. Role of Entrepreneurship 3. Qualities of a Successful Entrepreneur 4. Distinguishing Characteristics of Entrepreneurship and Wage Employment 5.Types of Business Activities - Product, Service and Hybrid Businesses 6. Entrepreneurship Development Process	After completing this session, Students will be able to: •Identify the characteristics of an entrepreneur. • Explain the importance of entrepreneur and its role in country's and society's growth. • Identify and describe the qualities of a successful entrepreneur. • Identify difference between product and service business activities. • Classify business examples as product, service and hybrid businesses. • Identify different steps of starting a business.				
Feb	8	PART-A: EMPLOYABILITY SKILLS Unit 5: Green Skills-I	1. Society and Environment 2: Conserving Natural Resources 3: Sustainable Development and Green Economy	After completing this session, Students will be able to: • Describe the relation between society and environment. • Identify common environmental problems. • Demonstrate the knowledge of green skills, green economy and green jobs. • Identify the green jobs in various sectors.	https://cbseacademic.nic.in/web_material/Curriculum21/publication/secondary/Employability_Skills_IX.pdf			

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