

LAPT

LONDON ACADEMY OF PROFESSIONAL TRAINING

CERTIFICATE

NEP Vocational Class 6



LAPT — London Academy of Professional Training

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AT A GLANCE

AWARD	Certificate
ASSESSMENT	500 marks — 300 to pass (60%)
PREREQUISITES	None
VALIDITY	Lifetime
AWARDING BODY	LAPT — London Academy of Professional Training

CURRICULUM

1 Agriculture Basics 4 chapters · 24 classes100 marks	• 1 Unit 1 — Introduction to Agriculture and Farming — 6 classes › 1.1 Explore the Basics of Agriculture: Definitions and Importance › 1.2 Identify Different Types of Farming: An Overview of Practices › 1.3 Understand Soil Types: Foundations of Successful Farming › 1.4 Discover the Role of Climate in Agriculture: Weather and Crop Growth › 1.5 Examine Sustainable Farming Practices: Balancing Agriculture and Ecology › 1.6 Apply Agricultural Knowledge: Plan a Simple Crop Rotation Strategy • 2 Unit 2 — Types of Soil and Crop Seasons — 6 classes › 2.1 Identify Different Soil Types and Their Properties › 2.2 Explore How Soil Composition Affects Crop Growth › 2.3 Examine the Relationship Between Soil pH and Plant Health › 2.4 Investigate Seasonal Crop Planting Strategies › 2.5 Analyze Regional Crop Seasons and Their Soil Requirements › 2.6 Create a Planting Calendar Based on Soil Type and Season	• 3 Unit 3 — Farming Tools and Basic Techniques — 6 classes › 3.1 Identify Common Farming Tools and Their Uses › 3.2 Demonstrate Safe Handling Procedures for Farming Equipment › 3.3 Explore Different Soil Types and Their Suitability for Crops › 3.4 Practice Basic Planting Techniques for Seed Germination › 3.5 Apply Watering Techniques for Optimal Plant Growth › 3.6 Evaluate Crop Health and Address Common Pests and Diseases • 4 Unit 4 — Crop Calendar and Seasonal Practices — 6 classes › 4.1 Understand the Importance of Crop Calendars in Agriculture › 4.2 Identify Key Seasonal Practices for Different Crops › 4.3 Analyze Climate Effects on Crop Growth Cycles › 4.4 Develop a Monthly Crop Calendar for Local Conditions › 4.5 Recognize Pest and Disease Management Strategies in Seasonal Practices › 4.6 Evaluate Crop Rotation Benefits for Sustainable Agriculture
2 Artificial Intelligence 4 chapters · 24 classes100 marks	• 1 Unit 1 — Introduction to Artificial Intelligence — 6 classes › 1.1 Define Artificial Intelligence and Its Importance › 1.2 Identify Different Types of Artificial Intelligence › 1.3 Explore Real-World Applications of Artificial Intelligence › 1.4 Examine the History and Evolution of Artificial Intelligence › 1.5 Discuss Ethical Implications of Artificial Intelligence › 1.6 Create a Simple AI Model Using Basic Algorithms • 2 Unit 2 — AI in Our Daily Life and Society — 6 classes › 2.1 Examine AI's Role in Everyday Tasks › 2.2 Identify AI Tools Used in Communication › 2.3 Explore AI Applications in Healthcare › 2.4 Evaluate AI Impact on Education › 2.5 Discuss Ethical Considerations of AI › 2.6 Create a Project: Designing an AI Solution for a Daily Challenge	• 3 Unit 3 — Understanding Data and Recognising Patterns — 6 classes › 3.1 Explore the Concept of Data in Everyday Life › 3.2 Identify Different Types of Data: Structured vs Unstructured › 3.3 Discover Techniques for Data Collection and Analysis › 3.4 Understand Patterns: Definitions and Real-World Examples › 3.5 Apply Pattern Recognition Techniques Using Simple Datasets › 3.6 Evaluate the Importance of Data and Patterns in AI Applications • 4 Unit 4 — My First AI Project — 6 classes › 4.1 Explore the Basics of Artificial Intelligence › 4.2 Identify Real-World Problems for AI Solutions › 4.3 Brainstorm Ideas for Your First AI Project › 4.4 Design a Simple AI Project Plan › 4.5 Build a Prototype of Your AI Project › 4.6 Present and Reflect on Your AI Project Outcomes

• 1 Unit 1 — Introduction to Scratch and Block Coding — 6 classes

- › 1.1 Explore the Scratch Interface and Tools
- › 1.2 Understand the Basics of Block Coding
- › 1.3 Create Your First Scratch Project
- › 1.4 Learn to Use Motion and Control Blocks
- › 1.5 Incorporate Sound and Visual Effects in Your Project
- › 1.6 Share and Present Your Scratch Project

• 2 Unit 2 — Sequences, Events and Sprites in Scratch — 6 classes

- › 2.1 Explore Sprites: Understanding the Character of Scratch
- › 2.2 Introduce Sequences: Creating Basic Code Instructions
- › 2.3 Event Handling: Triggering Actions with Mouse and Keyboard
- › 2.4 Combine Sequences and Events: Building Interactive Stories
- › 2.5 Debugging Basics: Identifying and Fixing Common Errors
- › 2.6 Showcase Project: Present Your Interactive Scratch Creation

• 3 Unit 3 — Loops, Conditions and Costumes — 6 classes

- › 3.1 Understand the Concept of Loops in Scratch
- › 3.2 Create Basic Repeat Loops with Scratch Blocks
- › 3.3 Explore Conditional Statements for Decision Making
- › 3.4 Implement If-Else Conditions in Scratch Projects
- › 3.5 Design Animated Characters with Costumes in Scratch
- › 3.6 Combine Loops and Conditions to Enhance Projects

• 4 Unit 4 — Creating My First Scratch Animation — 6 classes

- › 4.1 Explore Scratch Interface and Tools
- › 4.2 Create a Simple Character Sprite
- › 4.3 Animate Your Sprite with Motion Blocks
- › 4.4 Add Sound Effects to Your Animation
- › 4.5 Incorporate Backgrounds for Setting
- › 4.6 Share and Present Your Scratch Animation

• 1 Unit 1 — Introduction to Money and Savings — 6 classes

- › 1.1 Understand the Concept of Money: Definition and Uses
- › 1.2 Identify Different Forms of Money: Coins, Notes, and Digital Currency
- › 1.3 Explore the Importance of Saving: Why Save Money?
- › 1.4 Examine Basic Saving Techniques: Tips for Effective Savings
- › 1.5 Create a Personal Saving Goal: Setting Targets for Success
- › 1.6 Apply Budgeting Skills: Making a Simple Budget Plan

• 2 Unit 2 — Banking Basics for Students — 6 classes

- › 2.1 Understand the Role of Banks in Everyday Life
- › 2.2 Explore Different Types of Bank Accounts
- › 2.3 Learn How to Open a Bank Account
- › 2.4 Discover the Basics of Online Banking
- › 2.5 Identify How to Manage Your Bank Account Effectively
- › 2.6 Apply Financial Planning Skills to Your Savings Goals

• 3 Unit 3 — Budgeting and Planning Your Expenses — 6 classes

- › 3.1 Understand the Importance of Budgeting
- › 3.2 Identify Your Income Sources
- › 3.3 List and Categorize Your Expenses
- › 3.4 Create a Monthly Budget Plan
- › 3.5 Monitor Your Spending Habits
- › 3.6 Adjust Your Budget for Future Needs

• 4 Unit 4 — Smart Spending and Financial Goals — 6 classes

- › 4.1 Identify Needs vs. Wants in Daily Spending
- › 4.2 Set SMART Financial Goals for Personal Savings
- › 4.3 Create a Personal Budget: Tracking Income and Expenses
- › 4.4 Explore Strategies for Smart Shopping and Discounts
- › 4.5 Analyze the Impact of Impulse Buying on Financial Goals
- › 4.6 Develop a Savings Plan to Achieve Financial Goals

• 1 Unit 1 — Personal Hygiene and Grooming Habits — 6 classes

- › 1.1 Identify Key Personal Hygiene Practices
- › 1.2 Explore the Importance of Daily Grooming Routines
- › 1.3 Demonstrate Proper Handwashing Techniques
- › 1.4 Discuss Oral Hygiene and Its Benefits
- › 1.5 Examine Skin Care Basics for Healthy Skin
- › 1.6 Create a Personal Hygiene and Grooming Checklist

• 2 Unit 2 — Nutrition and Healthy Eating — 6 classes

- › 2.1 Understand Nutrients: Exploring Macronutrients and Micronutrients
- › 2.2 Identify Healthy vs. Unhealthy Foods: Making Smart Choices
- › 2.3 Create a Balanced Plate: The Importance of Food Groups
- › 2.4 Read Nutrition Labels: Deciphering Food Information
- › 2.5 Plan a Healthy Meal: Combining Nutrients for Optimal Health
- › 2.6 Evaluate Your Diet: Self-Assessment and Improvement Strategies

• 3 Unit 3 — First Aid Basics and Safety — 6 classes

- › 3.1 Identify Common First Aid Terms and Concepts
- › 3.2 Assess and Respond to an Emergency Situation
- › 3.3 Learn the Steps for Performing CPR Effectively
- › 3.4 Demonstrate the Application of Bandages and Dressings
- › 3.5 Explore Safety Precautions for Home and School
- › 3.6 Create a Personal First Aid Kit and Emergency Plan

• 4 Unit 4 — Mental Health and Positive Well-being — 6 classes

- › 4.1 Understand Mental Health: Defining Key Concepts
- › 4.2 Identify Factors Affecting Mental Well-being
- › 4.3 Explore the Connection Between Physical Health and Mental Health
- › 4.4 Recognize Signs of Stress and Anxiety
- › 4.5 Develop Coping Strategies for Everyday Challenges
- › 4.6 Create a Personal Well-being Action Plan