

# Young Learners Curriculum: Module 1

Phonics Foundations & Letter-Sound Associations

## Introduction to Phonics Readiness

Phonics is the foundation of early reading proficiency. In this initial stage, learners connect visual letter forms with their corresponding auditory phonemes, fostering confidence and word recognition skills through vibrant visual anchors.



### Vowel Sounds Exploration

Starting with short vowel sounds like 'A' for Apple and 'E' for Elephant to build core auditory recognition.

### Consonant Anchors

Connecting consonants 'B' (Bus), 'C' (Cat), and 'D' (Dog) with familiar objects for clear sound articulation.

# Young Learners Curriculum: Module 2

Teaching Vowels & Consonant Blends

## Instructional Strategy: Blending Sound Combinations

Once individual letter sounds are mastered, students move to blending short vowel sounds with two-consonant clusters (e.g., **bl**, **cl**, **fl**). This step bridges single phonemes into fluid reading.

### Key Focus Concept: Consonant-Blend Integration

Teaching how two distinct consonant sounds slide together seamlessly (e.g., /b/ + /l/ = **bl** as in *blend*).



## Step-by-Step Teaching Methodology

- **Continuous Sound Slide:** Stretch sounds smoothly together (e.g., /b/ ... /l/ ... /e/ ... /n/ ... /d/ directly into "**blend**").
- **Vowel-Consonant (VC) Building:** Practice short vowel pairings before adding initial consonant blends.
- **Multi-Sensory Tactile Blending:** Combine physical building blocks or interactive tools to push sounds together visually.

# Young Learners Curriculum: Module 3

Digital Empowerment: micro:bit, Web Creation & AI Integration

## Introduction to Tech & Computational Thinking

Beyond language skills, young minds thrive when introduced to modern technology early. This module builds interactive problem-solving skills, creative digital design, and practical artificial intelligence concepts.

### 1. Hands-on micro:bit Robotics

Students learn basic block-based programming using the BBC micro:bit. They create LED animations, digital badges, interactive games, and simple sensor-driven robotic devices.

### 2. Creating First Websites

Introducing structural thinking and digital expression by building simple web pages with custom headings, paragraphs, colorful themes, and media elements.

## 3. Practical AI Literacy for Daily Life

We teach students to understand and responsibly utilize Artificial Intelligence as a helpful daily learning assistant, encouraging curiosity and digital awareness.

- **Smart Learning Companions:** How to ask AI questions to explain tricky science or math concepts in fun ways.
- **Creative Storytelling & Art:** Collaborative prompts for brainstorming creative stories, rhymes, and visual designs.
- **Critical Thinking & Safety:** Recognizing AI responses, ensuring digital privacy, and using tech as a tool for positive creation.

**Learning Objective:** Empower students from passive content consumers to active digital creators and thoughtful technology adopters.

# Young Learners Curriculum: Module 4

Applied Science: Minecraft World-Building & Crystallization

## 4. Educational Minecraft Exploration

Minecraft serves as an ideal canvas for spatial reasoning, collaboration, historical re-creations, and introductory logic circuits through Redstone engineering.



## 5. Scientific Discovery: Amethyst Crystallization

Hands-on chemistry introduces children to natural formation processes. Students observe supersaturated solution growth and geological geode creation firsthand.

