

AI Curriculum Framework for Schools

Teacher Training Guide · Module 2 of 15 · CHERIEDU Academy

1. Curriculum Design Principles

- Age-appropriate: Content matches cognitive development at each grade level.
- Hands-on: At least 50% of time spent on activities, not passive listening.
- Cross-curricular: AI connects to Math, Science, English, and Social Studies.
- Ethical: Every unit includes a discussion on AI's impact on society.
- Progressive: Each grade builds on the previous year's knowledge.

2. Grade-Wise Topic Map

Grade	Term 1	Term 2	Term 3
5	What is AI?	AI in daily life	AI art project
6	How AI learns	Data & privacy	Ethics debate
7	Teachable Machine	Python intro	Classification project
8	Data analysis	ML concepts	Prediction project
9	NLP & chatbots	Computer vision	Real-world problem
10	Career paths	Full pipeline project	Portfolio presentation

3. Time Allocation Per Week

Grade	Minutes/Week	Format
5–6	40 minutes	1 period — concept + activity
7–8	80 minutes	2 periods — concept + hands-on lab
9–10	120 minutes	3 periods — concept + project work + review

4. Assessment Strategy

- Formative (ongoing): Quick quizzes, class discussions, observation.
- Project-based: End-of-term AI project with rubric evaluation.
- Portfolio: Students collect their AI work across the year.
- Peer review: Students evaluate each other's projects using a checklist.
- No rote memorisation: All assessments test understanding and application.

5. Integration with Existing Subjects

Subject	AI Connection	Activity Idea
Mathematics	Statistics, graphs, probability	Predict weather using data
Science	Hypothesis testing, data collection	Plant growth AI experiment

English

Language patterns, writing

Bias, fairness, society

