Integrating AI Across All Subjects

1. AI is Not Just a "Computer Science" Topic

AI touches every subject. When teachers across departments connect AI to their lessons, students see that AI is a universal skill — not just something for coders.

2. Subject Integration Ideas

Subject	AI Connection	Specific Activity
English	AI writing tools, language models	Edit an AI-generated essay — improve it
History	Pattern recognition in events	Use AI to find patterns in historical data
Biology	AI in medicine & genetics	Research AI drug discovery news
Physics	AI in simulations	Explore AI climate modelling tools
Art	Generative AI	Create AI art, then create your own — compare
Music	AI composition	Use Suno to generate music, then remix it
Economics	AI in markets, jobs	Debate: "AI will take 50% of jobs by 2040"
PE	AI in sports analytics	Analyse your school team's performance data

3. Cross-Subject AI Project Ideas

- STEM + Art: Build an AI that classifies student artwork by style.
- English + Tech: Train an AI to detect essay tone (positive/negative).
- Biology + Data: Analyse school health survey data for patterns.
- History + AI: Use ChatGPT to write a historical speech — fact-check it.

4. Department Collaboration Model

Role	Contribution
CS/Tech Teacher	Teaches Python, tools, technical concepts
Maths Teacher	Teaches statistics, probability, graphs
Science Teacher	Teaches scientific method, hypothesis testing
English Teacher	Teaches communication of data findings
All Teachers	Integrate AI examples into their domain

COLLABORATION TIP

Hold one 30-minute AI staff meeting per month. Each teacher shares one way they used AI in their subject that month. This builds a school-wide AI culture.