AI & Digital Literacy

Summer Course Proposal

Table of Contents
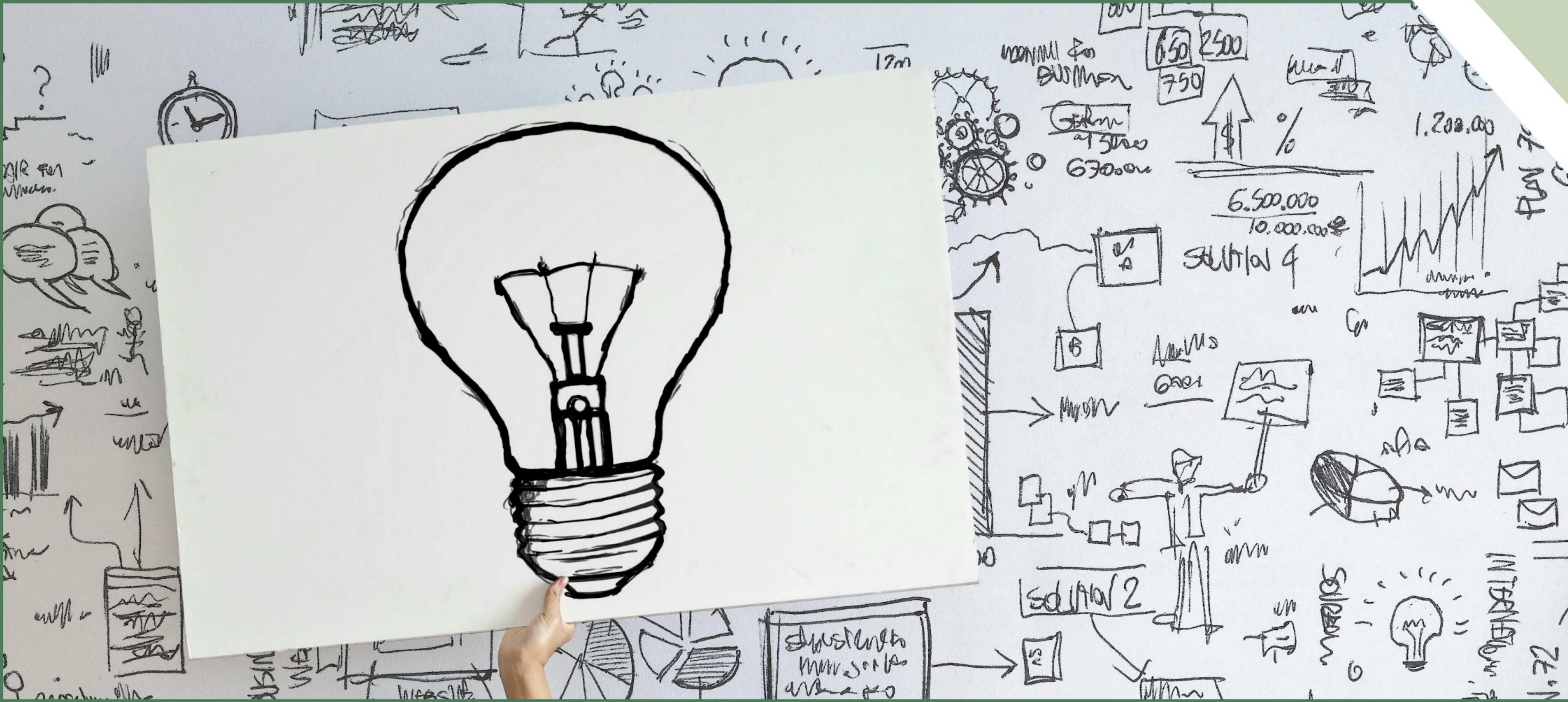
Introduction

Discover the transformative power of artificial intelligence with our **AI & Digitial Literacy Course!** Designed for high school students, this seven-week program combines cutting-edge technology, ethical exploration, and hands-on learning to prepare the next generation for an AI-driven world.

Students will build foundational skills, tackle real-world challenges in their community, and create impactful projects -- all while developing the critical thinking and creativity essential for success in the digital age.

Program Overview

Duration: 7 weeks | **Schedule:** 3 sessions/week, 2 hours each
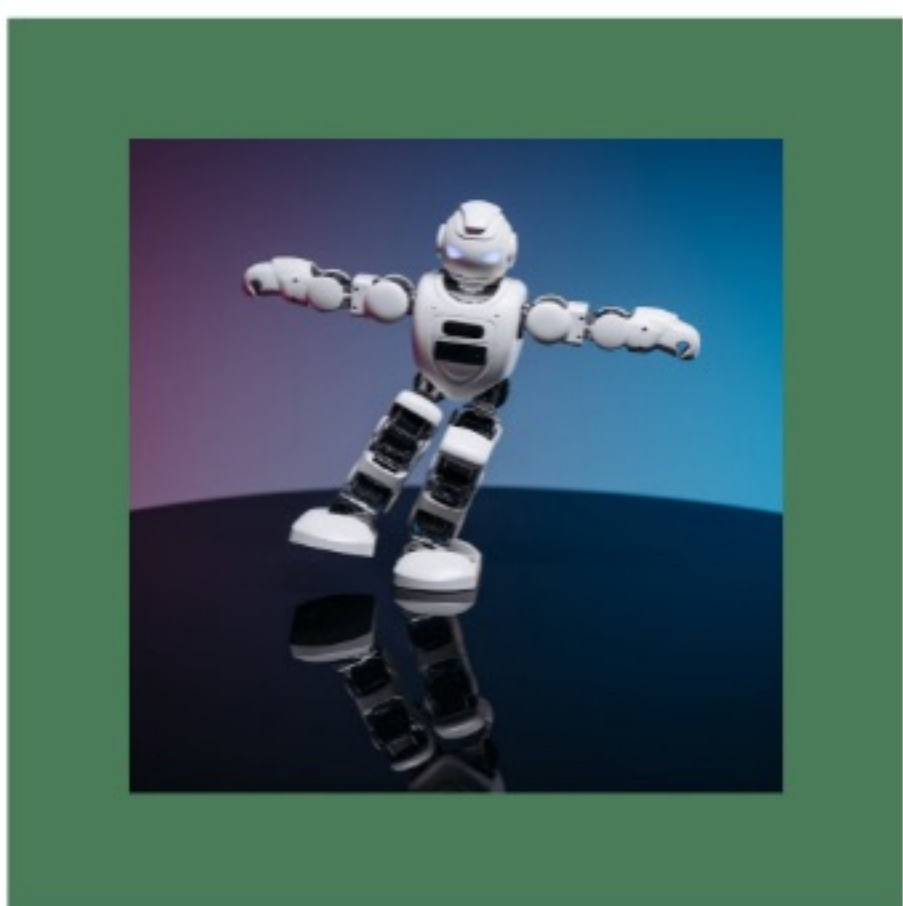**Audience:** High school students
Format: Hands-on, interactive, and student-centered
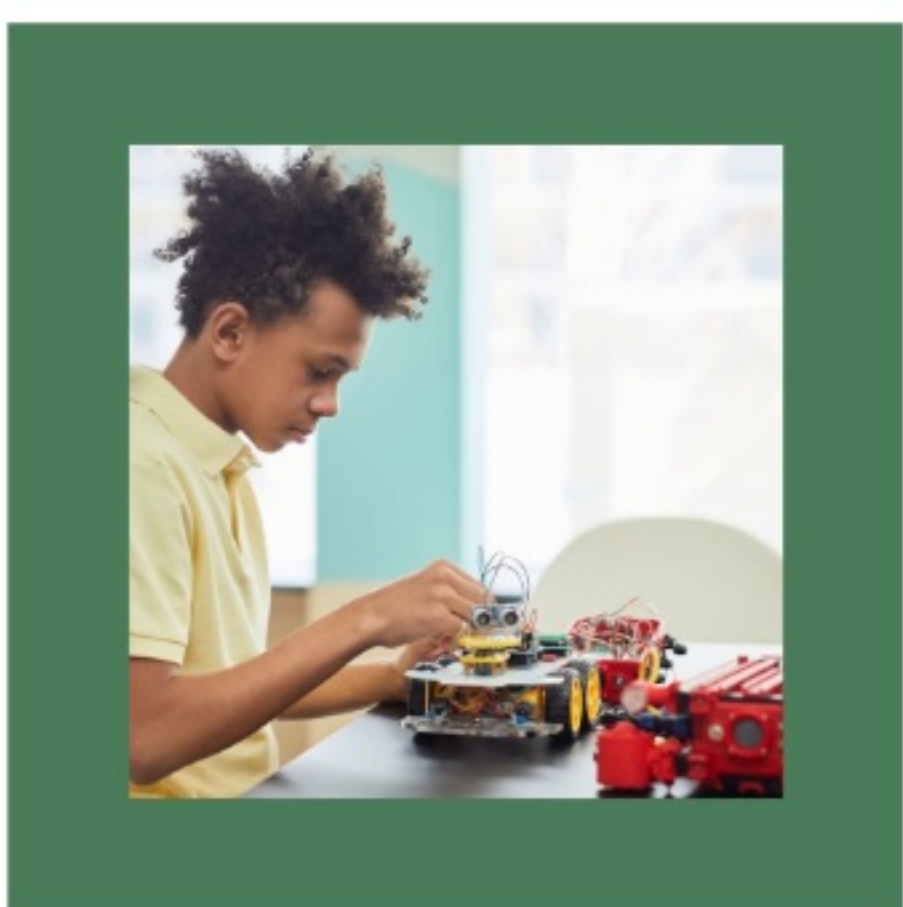
Program Highlights

Hands-on Learning

Students engage with cutting-edge AI tools in a supportive environment.

Real-World Applications

Explore real-world applications of AI in industries, creativity, social good, and self-empowerment

Skill Development

Develop critical thinking, ethical awareness, and career-ready skills.

Program Features

Interactive & Engaging
Every session is designed to inspire curiosity and engagement through interactive activities that make complex concepts accessible and fun

Ethical AI Focus
Students explore fairness, bias, and transparency in AI systems, preparing them to navigate the ethical challenges of tomorrowce with AI.

Future-Ready Skills
The curriculum emphasizes collaboration, critical thinking, and digital literacy, equipping students for academic and professional success

Creative Applications
By using AI in art, writing, and music, students unlock new possibilities for innovation and expression

Capstone Project
A student-driven project focused on solving real-world challenges using AI, culminating in a showcase presentation

Weekly Themes

The program provides a structured curriculum covering foundational concepts to real-world applications of AI.

Week 1: Foundations of AI

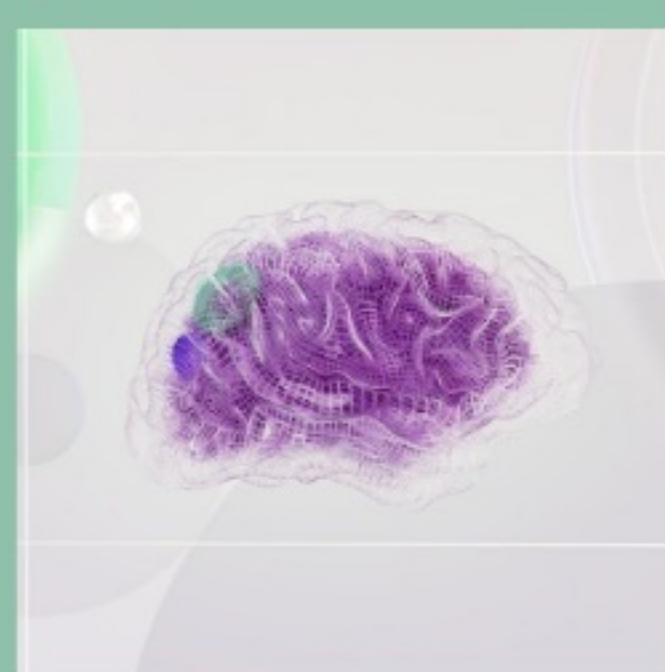Introduction to AI concepts and applications

Week 2: Data & AI Learning

Train AI models and explore data visualization

Week 3: Ethical AI

Examine bias, fairness, and responsibility in AI systems

Week 4: Creative AI Tools

Use AI to create art, music, and written works

Week 5: AI for Social Good

Leverage AI for self-empowerment. Address community and global challenges
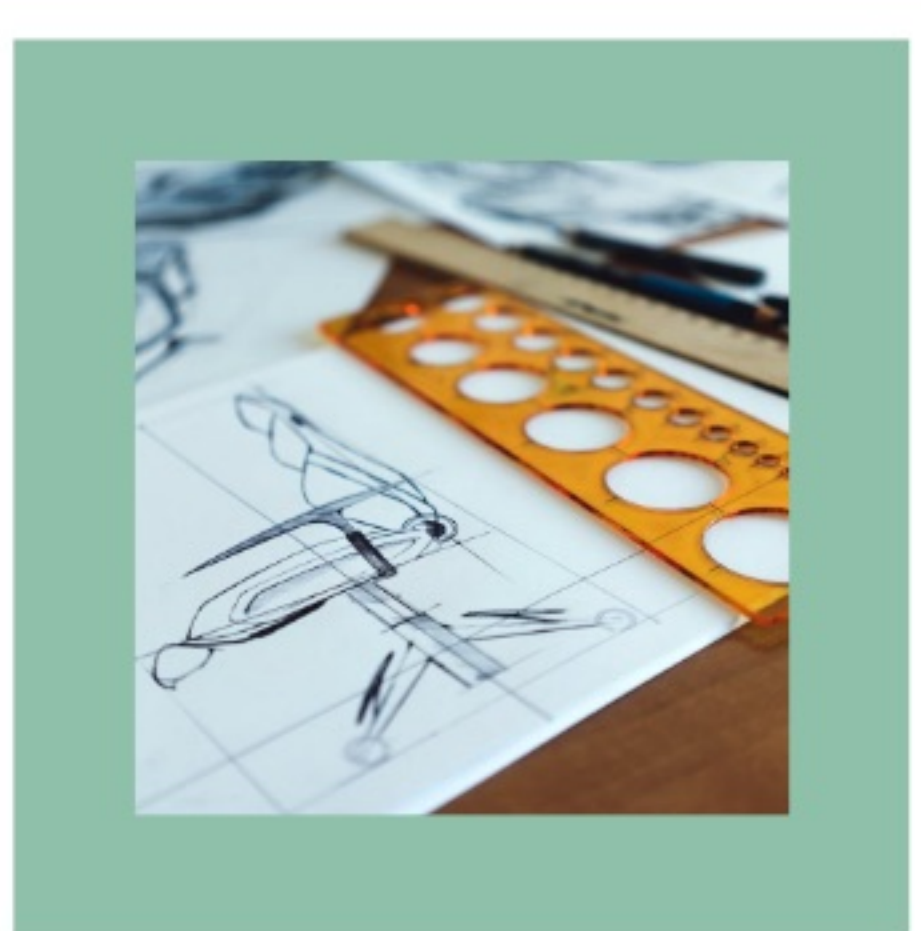

Week 6: Digital Citizenship & AI Safety

Foster responsible AI use and navigate online safety

Week 7: Capstone Project

Design and present an innovative, real-world AI solution

The capstone project is the culmination of our seven-week journey, where students integrate everything they've learned to design and present a real-world AI solution.

Guided by their curiosity and creativity, students tackle challenges that matter to them -- whether it's improving their community, addressing global issues, or exploring personal passions.

With peer collaboration and feedback, students develop a polished project they can proudly showcase to peers, family, and community stakeholders.

The capstone not only highlights their technical skills but also fosters critical thinking problem-solving, and presentation abilities, preparing them to excel in future academic and professional endeavors.

Student Benefits

Build In-Demand Skills

Gain hands-on experience with AI tools and concepts, preparing for careers in technology and beyond

Enhance Collaboration and Communication

Work in teams, share ideas, and present solutions -- essential skills for success in any field

Make a Real-World Impact

Design innovative solutions to tackle challenges in your community or the wider world

Prepare for the Future

Learn how to responsibly navigate and leverage AI in academic, personal, and professional settings

Summary

The AI & Digital Literacy Summer Course is more than just a program --
it's a transformative experience that equips students with the knowledge,
skills, and confidence to thrive in an AI-driven world. Over seven weeks
students will explore the fundamentals of AI, tackle ethical dilemmas,
unleash their creativity, and design impactful projects that address real-
world challenges.

With a focus on hands-on learning, collaboration, and critical thinking,
this course empowers students to become not just learners, but
innovators, problem-solvers, and leaders in the digital age.

Take the first step toward your future.
Join us and discover the power of AI!