

ARTIFICIAL INTELLIGENCE for Kids



Course Goals

To help kids (10+) understand what Artificial Intelligence is, how to use it safely, and how to apply AI tools like ChatGPT, Teachable Machine, and Google NotebookLM and many others to learn smarter, prepare for exams, and create their own study materials.

Assessment

- Weekly Projects – 30%
- Class Engagement – 20%
- Final Project – 50%

Learning Outcomes

- Explain what AI is and how it works in everyday life
- Create and use AI tools responsibly and ethically
- Write effective prompts for study, creativity, and problem-solving
- Use Google NotebookLM to summarize lessons, make notes, and prepare for exams
- Build simple AI projects (chatbots, quizzes, or digital art)
- Demonstrate digital citizenship and safe online behavior

Eight (8) Course Outline

Week
01

► Welcome to the World of AI

- Focus: What is Artificial Intelligence?
- Spot AI in everyday life (games, phones, videos)
- Discuss: What makes AI smart?
- Mini Project: 'My AI World' digital poster

Week
02

► How Machines Learn the Magic of Data

- Focus: Understanding data and machine learning basics
- Use Google's Teachable Machine to train a model
- Discuss: Why should we protect our data?
- Mini Project: Train your own AI to recognize gestures

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Week

03 ► Talking to AI The Art of Prompting

- Focus: Learning to communicate effectively with AI
- The 4 Magic Prompt Rules: Be clear, Be specific, Give context, Tell AI what format you want
- Activity: Prompt Olympics to improve prompts together
- Mini Project: Write creative prompts to make AI write a story or explain a topic

Week

04 ► AI as Your Study Partner

- Focus: Using AI tools to learn smarter
- Use ChatGPT or Gemini to summarize, make quizzes, and explain topics
- Discuss: How to fact-check and use AI ethically
- Mini Project: Create an AI-generated quiz for a subject

Week

05 ► Learning with Google NotebookLM

- Focus: Using NotebookLM to prepare for exams
- Learn to upload notes, summarize, and generate study questions
- Discuss: How to verify AI summaries
- Mini Project: Create your personal study guide using NotebookLM

Week

06 ► Seeing and Creating with AI

- Focus: How AI understands and creates images
- Use AutoDraw or DALL·E Mini to generate images
- Discuss: AI art ethics and originality
- Mini Project: Create an AI artwork or study mind map

Week

07 ► AI for Good + Online Safety

- Focus: Responsible and ethical AI use
- Explore AI in solving global problems
- Activity: Create 'My AI Safety Rules' poster
- Mini Project: Present an AI-for-Good idea

Week

08 ► AI Project Showcase + Reflection

- Focus: Present what you've learned
- Review and reflection session
- Certificate and celebration
- Final Project: Create an AI-powered study assistant

Recommended Tools



- ChatGPT / Gemini — Writing prompts, Q&A, creative ideas
- Google NotebookLM — Summarizing notes, creating revision guides
- Teachable Machine — Training small AI models
- AutoDraw / DALL·E Mini / Bing Image Creator — AI art and visuals
- Scratch + AI Extension — Build simple chatbots

21st Century Skills Developed



- Critical Thinking & Creativity
- Research & Information Literacy
- Responsible Digital Citizenship
- Self-directed Learning & Exam Prep
- Communication & Collaboration

Certification



- Learners who complete all 8 modules and submit their final AI project will receive a 'Tech Watt AI Explorer Certificate.'

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