AI EXPLORERS ACADEMY

A 4-Week Immersive AI Program for Grades 5–10

Where Curiosity Meets Creation • Where Students Become Inventors

4 Weeks	8 Days	20+ Tools	8 Projects	Grades 5–10
Live Weekend Sessions	16 Hours of Learning	Real AI Platforms	Portfolio Deliverables	Age-Appropriate Design

WHAT MAKES THIS PROGRAM DIFFERENT

Every session ends with something a student built — not a worksheet, not a quiz, but a real creation: a comic strip, a talking avatar, a working website, an AI story, a data-powered poster. By Week 4, each student walks out with a portfolio of 8 AI-powered projects and the vocabulary, confidence, and curiosity to keep going independently.

Program designed by **Om Mehta — AI Consultant & Trainer**

Curriculum lead: Om Mehta • AI Mastery Workshop

PROGRAM PHILOSOPHY & DESIGN PRINCIPLES

AI Explorers Academy is built on one conviction: children learn technology best when they make things with it. Not when they watch it, read about it, or take notes on it — when they actually create something they are proud of and can show their family.

Every design decision in this curriculum flows from three principles:

Principle 1 — Project First, Concept Second

Traditional education teaches concept, then shows application. We invert this. Each session begins by showing students the finished thing — a AI-narrated video, a talking avatar, a website they built — and then reverse-engineers the concept. 'How did that happen? Let us find out.' Curiosity is the engine; the concept is the fuel.

Principle 2 — Age-Appropriate, Not Age-Limited

Grade 5 students and Grade 10 students are in the same program because AI tools are genuinely accessible to both. The differentiation happens inside each activity — younger students complete guided scaffolded versions, older students extend into open-ended challenges. The same tool (ChatGPT, Canva AI, Scratch + AI) serves different depths depending on where the student is.

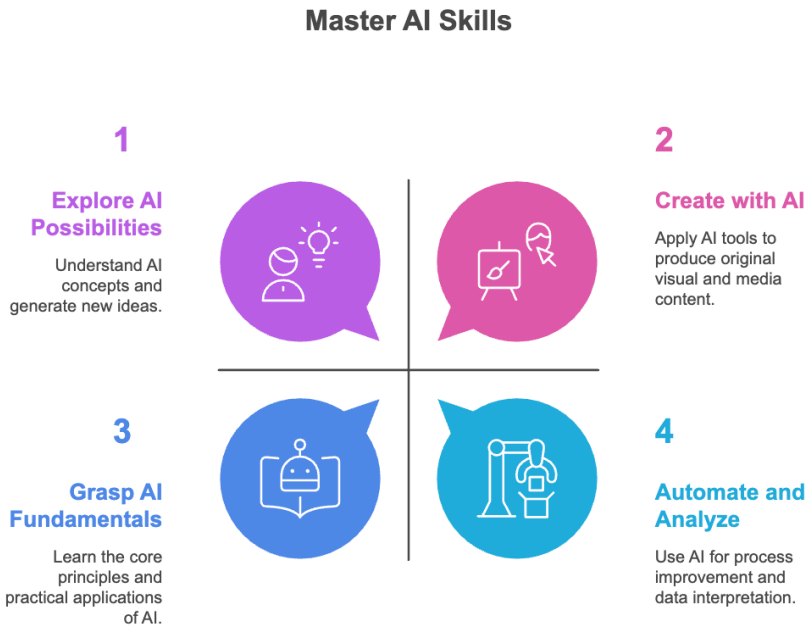
Principle 3 — Ethics from Day One, Not an Afterthought

AI literacy without ethics is just tool training. Every week introduces one ethical question through a real scenario — a deepfake, a hiring algorithm, a voice clone, an AI-written essay. Students discuss, debate, and form opinions. By Week 4, they can articulate a personal framework for responsible AI use. This is the skill that parents most often say surprised them about the program.

FOR PARENTS

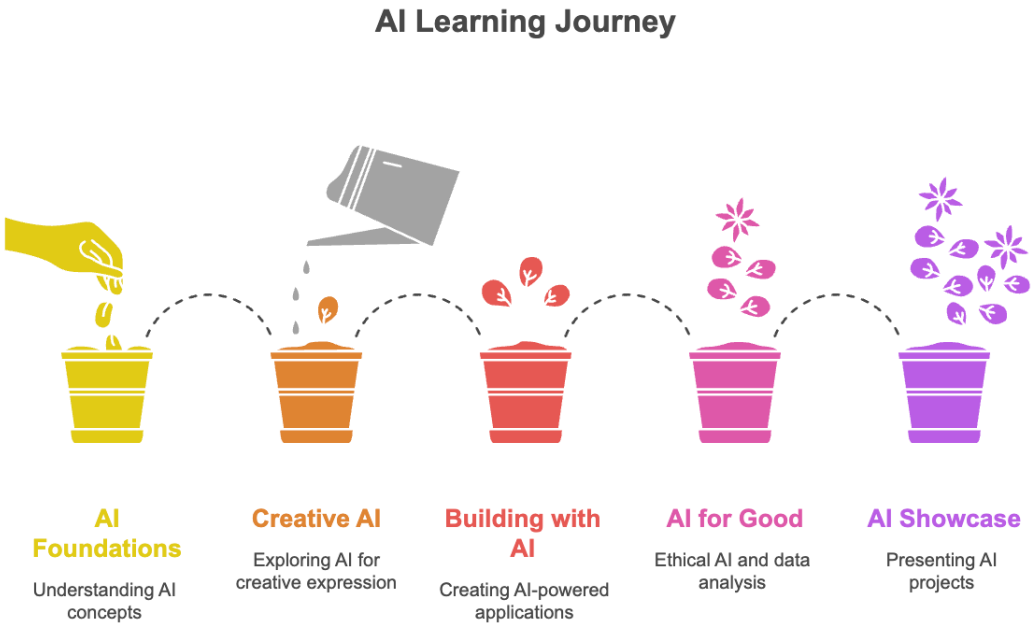
As a parent, you will receive a weekly summary email every Sunday evening with: (1) what your child learned this week, (2) the project they completed, (3) a conversation starter — one question to ask them at dinner that deepens the learning, and (4) one optional activity you can do together at home. AI Explorers Academy believes parents are learning partners, not spectators.

LEARNING OUTCOMES — WHAT YOUR CHILD GAINS



Skill Area	What They Learn	How It Shows Up
AI Literacy	How AI works, what LLMs are, difference between AI types	Can explain ChatGPT to a grandparent in plain language
Prompt Engineering	How to write instructions that get great AI outputs	Uses structured prompts independently for school work
Visual Creativity	Image generation, poster design, comic creation	Portfolio of original AI-generated visual works
Voice & Video	Voice cloning, avatar creation, video generation	Personal AI avatar video with original script
No-Code Building	Building websites and apps without coding	A live published personal website or game
Data Thinking	Reading charts, spotting patterns, asking data questions	Presents an AI-generated data story on a topic they chose
Automation	Understanding workflows, triggers, and basic automation	Can map a simple automation flow from scratch
Ethics & Safety	Privacy, bias, consent, responsible AI use	Presents a personal 'AI rules I live by' pledge

PROGRAM STRUCTURE AT A GLANCE



Week	Theme	Big Project Delivered
Week 1	AI Foundations — How AI Thinks	AI Story Generator + Custom AI Tutor Bot
Week 2	Creative AI — Images, Videos & Voice	AI Comic Strip + Personal Talking Avatar
Week 3	Building with AI — Websites & Games	Live Personal Website + AI Quiz Game
Week 4	AI for Good — Data, Ethics & Showcase	Data Story Poster + Capstone Showcase Presentation

SESSION SCHEDULE FORMAT

The program runs on weekends across 4 weeks. Each week has 2 sessions of 2 hours each (Saturday and Sunday), totalling 4 hours per week and 16 hours overall. Sessions are live online with a maximum batch size of 20 students to ensure every child gets individual attention.

GRADE-LEVEL DIFFERENTIATION

Students in Grades 5–7 (Junior Track) receive guided scaffolded activities with step-by-step instructions, visual prompts, and choice boards. Students in Grades 8–10 (Senior Track) receive the same tools with open-ended challenges, extension tasks, and leadership roles (they mentor younger students during project time). Both tracks complete the same 8 projects — the depth and complexity differ.

WEEK 1

AI FOUNDATIONS

How AI Thinks, Learns & Speaks — and How to Talk Back to It

Week 1 answers the question every student secretly has but is afraid to ask: 'What actually IS this thing?' By the end of Sunday, they can explain AI to their parents, train a model themselves, write prompts that actually work, and have built their first Custom AI Tutor.

WEEK 1 LEARNING GOALS

- Understand AI, Machine Learning, and Generative AI — simply and accurately
- Experience training a real AI model (image and audio classification)
- Learn prompt engineering — the RACE and TASK frameworks
- Compare the Big 4 AI platforms and know when to use each
- Build a Custom GPT Study Buddy personalised to their own subjects

WEEK 1 SESSION SCHEDULE

Day	Time	Session / Activity	Format
Sat	**10:00–10:20**	Welcome, Icebreaker & 'What is Intelligence?' Question	*Discussion*
Sat	**10:20–11:00**	Session 1A — AI Foundations: How AI Actually Works	*Concept + Demo*
Sat	**11:00–11:50**	Session 1B — Train Your Own AI (Teachable Machine)	*Hands-On Build*
Sat	**11:50–12:00**	Reflection + Weekend Prompt Challenge	*Wrap-Up*
Sun	**10:00–10:15**	Prompt Challenge Share + Day 1 Wins	*Celebration*
Sun	**10:15–11:00**	Session 1C — Prompt Engineering Masterclass	*Framework Lab*
Sun	**11:00–11:45**	Session 1D — Build Your AI Study Buddy (Custom GPT)	*Hands-On Build*
Sun	**11:45–12:00**	Week 1 Project Share + Badge Award	*Showcase*

AI
Day 1

Session 1A • 60 mins

How AI Actually Works — From Alan Turing to ChatGPT

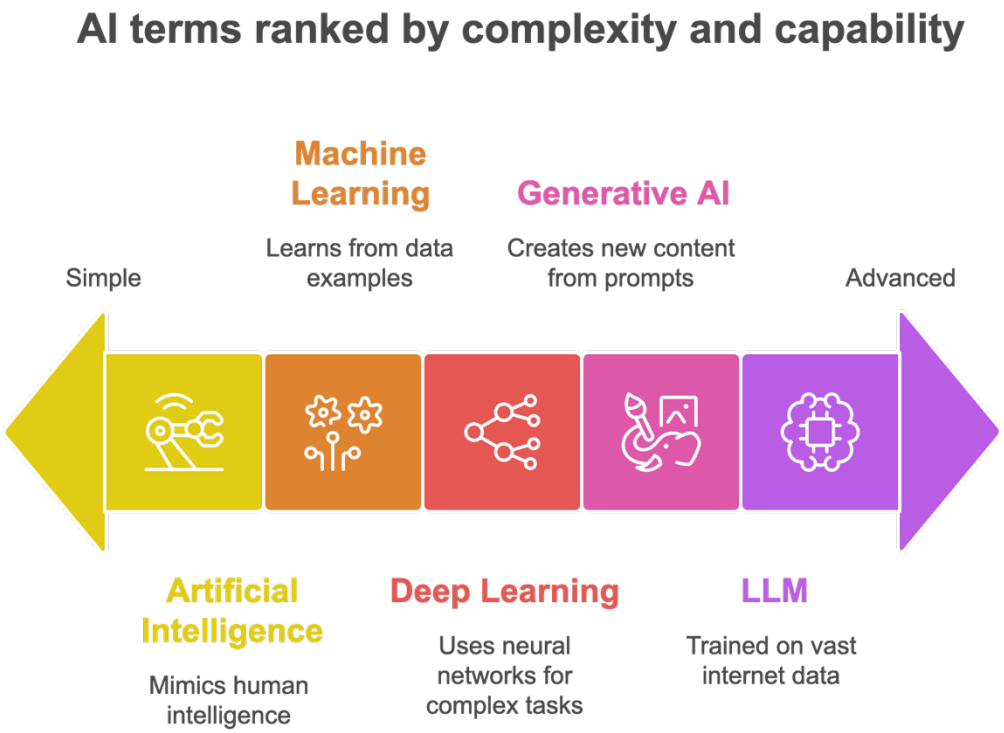
MISSION BRIEFING

Mission: By the end of this session, every student can explain AI, Machine Learning, and Generative AI to someone who has never heard these words — using only examples from their own life.

Opening Hook — The Spotify Moment (5 mins)

Ask: 'Has Spotify or YouTube ever played a song you did not know but immediately loved?' Pause. 'That is AI. It learned your taste — without you teaching it anything. Let us figure out exactly how.'

Core Concepts — The AI Family Tree (20 mins)



Term	Kid-Friendly Explanation
Artificial Intelligence	Any computer that does something that usually needs human intelligence
Machine Learning	The computer learns from examples — like how you learn to recognise dogs by seeing many dogs
Deep Learning	A super-powered version of ML — how Face ID and Instagram filters work
Generative AI	AI that CREATES new things — text, images, music, video — from a prompt
LLM	A massive model trained on most of the internet — the brain inside ChatGPT
Prompt	Your instruction to the AI — the better the instruction, the better the output

AI in Their World — Speed Round (15 mins)

Flash 10 things on screen. Students guess: AI or Not AI?

- Autocomplete on their phone keyboard — AI
- Google Maps route — AI
- Netflix 'You might also like' — AI
- A calculator — NOT AI (just rules)
- Snapchat dog filter — AI
- Traffic light timer — NOT AI (fixed programme)
- ChatGPT writing a poem — AI
- Instagram showing them ads — AI

AHA MOMENT

AI is not a robot. AI is not magic. AI is not the future. AI is already everywhere around you — you just did not have a name for it until now. Every time your phone autocompletes a word, that is AI. You have been using AI for years.

FOR PARENTS

After this session, ask your child: 'Show me one thing you did today that used AI.' This question works because they now have the vocabulary to notice it. The goal of this session is not knowledge — it is pattern recognition. They will never look at their phone the same way again.

AI Literacy	Critical Thinking	Pattern Recognition

ML
Day 1

Session 1B • 50 mins

Train Your Own AI — Google Teachable Machine

MISSION BRIEFING

Mission: Students will train a real machine learning model — no code, no setup — and experience firsthand what 'learning from data' actually means.

The Setup (5 mins)

Open teachablemachine.withgoogle.com. No login, no install. Trainer demonstrates in 60 seconds: 'I am going to teach this computer to recognise my thumbs up. Watch.'

HANDS-ON ACTIVITY

Image Classifier — Train an AI to Recognise YOU

1. Open Teachable Machine → Image Project → Standard
2. Create 3 classes: your own names (Class 1 = Happy Face, Class 2 = Surprised Face, Class 3 = Thinking Face)
3. Record 50 webcam images per class — making the face for each

4. Hit Train Model — watch the progress bar
5. Test it — make a face and watch the AI predict in real-time
6. Try to FOOL the model — what confuses it? Share your discoveries

What they make: A trained AI model that recognises their own facial expressions — live and in real-time

Audio Round — Voice Command AI (15 mins)

HANDS-ON ACTIVITY

Sound Classifier — Teach AI to Hear

1. New project → Audio project
2. Class 1: clap three times (record 30 clips). Class 2: snap fingers. Class 3: background silence
3. Train → Test in real-time
4. Challenge: can you train it to recognise your name said loudly vs. whispered?

What they make: A voice-command AI that responds to sounds they trained it on

Discussion Questions (10 mins)

- Why did the model get confused when the room got darker?
- What would happen if we trained it with only 5 images instead of 50?
- Who is 'smarter' — the model or the person who labelled the training data?

AHA MOMENT

You just trained an AI model. From scratch. In 20 minutes. With no code. What took Google's research team months of computing in 2012 now takes a 12-year-old 20 minutes. This is what democratisation of AI means.

Machine Learning Concepts	Data Thinking	Scientific Method

PE
Day 1

Session 1C • 45 mins

Prompt Engineering — The Art of Talking to AI

MISSION BRIEFING

Mission: Students learn that AI quality is 100% determined by prompt quality — and they leave with 3 frameworks they can use for the rest of their lives.

The Bad Prompt Experiment (10 mins)

Show two prompts side by side. Run both live. Let the room react to the difference.

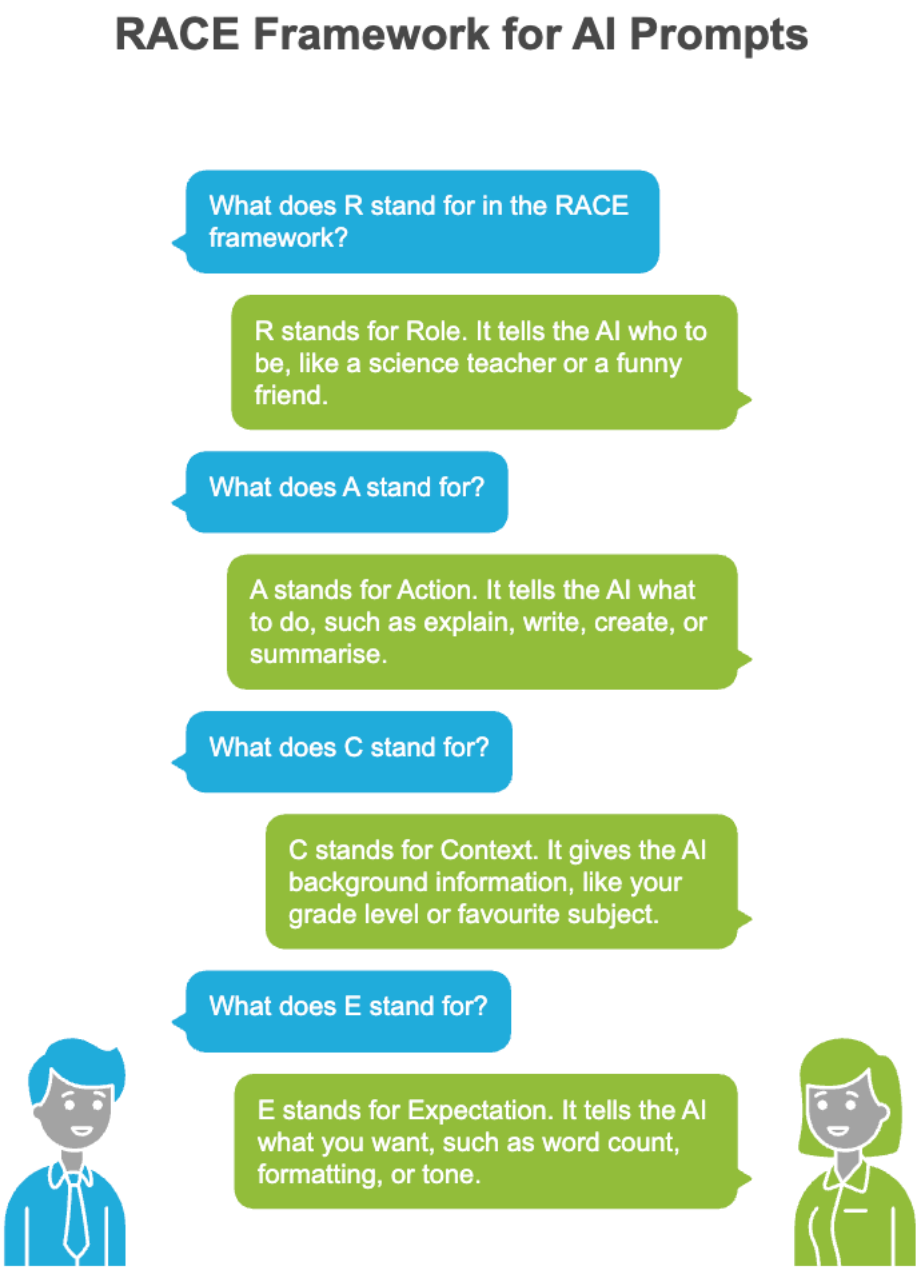
BAD PROMPT

Write a story about a dog.

GREAT PROMPT

You are a creative writing coach working with a 13-year-old student. Write a 3-paragraph adventure story about a street dog in Mumbai named Biscuit who discovers a secret underground library. Make it exciting, use short punchy sentences, and end with a cliffhanger. The student loves Percy Jackson books.

The RACE Framework for Kids



RACE Part	What It Means
R — Role	Tell AI who to BE: 'You are a science teacher...' / 'You are a funny friend...'
A — Action	Tell AI what to DO: 'Explain...' / 'Write...' / 'Create...' / 'Summarise...'
C — Context	Give AI the BACKGROUND: 'I am in Grade 7...' / 'My favourite subject is...'
E — Expectation	Tell AI what you WANT: 'Keep it under 100 words' / 'Use bullet points' / 'Make it funny'

HANDS-ON ACTIVITY

Prompt Upgrade Challenge

1. Trainer shows 5 terrible prompts on screen
2. Students rewrite each using RACE framework — 3 minutes per prompt
3. Volunteers share rewrites — class runs both the bad and good versions
4. Vote: which class produced the most dramatic improvement?

What they make: A personal Prompt Cheat Sheet — their top 3 RACE prompts for school subjects they actually use

The Platform Showdown (10 mins)

Platform	Best For Kids
ChatGPT	Creative writing, stories, homework help, custom bots — most versatile
Claude	Reading long texts, nuanced questions, safe and careful responses
Gemini	Google Docs/Slides integration, research with web access
Perplexity	Research with cited sources — great for school projects

Prompt Engineering	Communication Skills	Creative Thinking

BUILD
Day 1

Session 1D • 45 mins

Build Your AI Study Buddy (Custom GPT)

MISSION BRIEFING

Mission: Every student leaves Sunday with a personalised AI tutor built by themselves — trained on their subjects, their learning style, and their personality.

What is a Custom GPT? (5 mins)

It is your own version of ChatGPT — pre-set with your preferences, rules, and knowledge. It knows your name, your grade, your favourite subjects, and how you like to learn. And once you build it, it is always there when you need help.

HANDS-ON ACTIVITY

Build Your Study Buddy — Step by Step

1. Open ChatGPT → Explore → Create (or My GPTs → Create)
2. Name your bot (it can have a fun name — students choose their own)
3. In the Instructions box, fill out the template provided by trainer
4. Set personality: 'Be encouraging. Never just give the answer — guide me step by step. Use examples from cricket / Bollywood / gaming (student chooses)'
5. Upload knowledge: your school timetable, chapter names, a past paper
6. Test it: ask your bot to explain photosynthesis in 3 bullet points for a Grade 7 student
7. Ask it to quiz you on the periodic table
8. Share your bot's name with the class — describe its personality in one sentence

What they make: A personalised AI Study Buddy GPT that students can use for homework every day

Study Buddy Starter Template (give this to students)

COPY THIS INTO YOUR GPT INSTRUCTIONS

You are [name their bot], a friendly and patient AI tutor for [student name], a student in Grade [X] at [school name]. My favourite subjects are [subjects]. My least favourite subject is [subject] — please be extra patient with this one. Your rules: • Never give me the full answer — guide me to find it myself • Use examples from [cricket / movies / gaming / cooking — student chooses] • Keep explanations short — use bullet points and simple words • If I get something right, celebrate with me • If I get something wrong, encourage me and try a different explanation

AHA MOMENT

You just built an AI tutor that is completely personalised to you. Not to your class. Not to your school. To YOU. It knows your grade, your subjects, your learning style. Every time you use it, it gets better at understanding what you need. This is technology working for you.

FOR PARENTS

This week, your child built their first AI — a model that recognises facial expressions — and their first AI tool: a Custom Study Buddy. Encourage them to use the Study Buddy for homework this week. Ask them: 'Did your bot help you understand it? What did you ask it?' The learning deepens through use.

WEEK 1 TAKE-HOME CHALLENGE

Weekend Prompt Challenge: Use your Study Buddy to get help with one piece of real homework. Screenshot the most helpful thing it said. Share on Monday with caption: 'My AI tutor said...'

Optional Extension (Grades 8–10): Train a second Teachable Machine model to classify something from your home — types of leaves, types of snacks, family members' voices. Bring findings to Week 2.

WEEK 2

CREATIVE AI

Images, Videos, Voice & the Art of AI Storytelling

Week 2 is the most visually explosive week. Students generate cinematic images, create comic strips from their imagination, clone their voice, and by Sunday — they have a personal talking AI avatar. The homework share moment from Week 2 is consistently the loudest session of the program.

WEEK 2 LEARNING GOALS

- Write effective image generation prompts using the Subject+Style+Mood formula
- Create an original 6-panel AI comic strip with a narrative arc
- Understand how voice AI and video generation work
- Create a personal AI avatar video with their own voice and script
- Discuss ethics of deepfakes and voice cloning from a personal perspective

WEEK 2 SESSION SCHEDULE

Day	Time	Session / Activity	Format
Sat	**10:00–10:15**	Week 1 Project Share — Study Buddy Wins	*Celebration*
Sat	**10:15–11:00**	Session 2A — AI Image Generation Masterclass	*Concept + Create*
Sat	**11:00–11:50**	Session 2B — AI Comic Strip Creator	*Creative Build*
Sat	**11:50–12:00**	Share + Comic Gallery Walk (Virtual)	*Showcase*
Sun	**10:00–10:15**	Gallery Votes + Week 2 Preview	*Energiser*
Sun	**10:15–10:50**	Session 2C — Voice AI & Audio Creation	*Demo + Discuss*
Sun	**10:50–11:45**	Session 2D — Build Your AI Avatar Video	*Hands-On Build*
Sun	**11:45–12:00**	Avatar Film Festival + Ethics Discussion	*Share + Debate*

IMG
Day 2

Session 2A • 45 mins

AI Image Generation — Turning Words into Pictures

MISSION BRIEFING

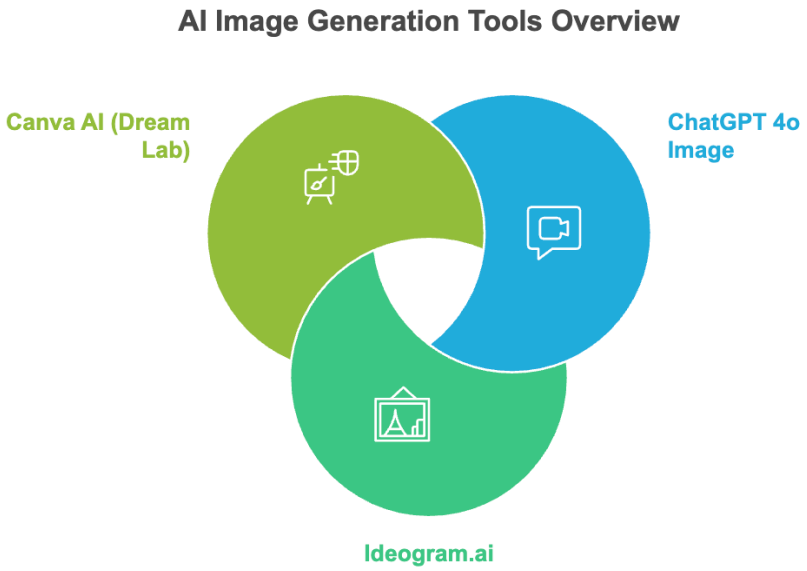
Mission: Students crack the image prompt formula and generate at least 3 original images — one realistic, one fantastical, one that represents them.

The Prompt Formula for Images (10 mins)

IMAGE PROMPT FORMULA

Subject + Style + Setting + Lighting + Mood + Quality words Example: 'A young Indian girl in a school uniform discovering a magical library inside a banyan tree. Illustrated in the style of Studio Ghibli. Warm golden afternoon light. Sense of wonder and discovery. Highly detailed, vibrant colours.'

Platform Choice (based on school policy and age)



Tool	Why Use It
ChatGPT 4o Image	In-chat image generation, great for quick creative work — free tier available
Ideogram.ai	Excellent for text-in-image (posters, banners), very safe for school use
Canva AI (Dream Lab)	Familiar interface, school accounts widely available, responsible AI guardrails

HANDS-ON ACTIVITY

Three-Image Personal Gallery

1. Image 1 — Realistic: Generate an image of your school building reimagined as a futuristic space station
2. Image 2 — Fantasy: Generate your favourite book character in a style you choose (specify: Pixar, Studio Ghibli, watercolour, comic book)
3. Image 3 — Personal: Generate 'a day in my perfect life in 2034 when I am grown up' — students write the prompt themselves
4. Upload all 3 to the shared class document with their name
5. Grade 8–10 extension: generate the same subject in 4 different styles and compare — what does 'art style' actually mean to an AI?

What they make: A 3-image personal gallery with prompts written, saved, and ready for the comic strip session

AHA MOMENT

Before AI, making a professional illustration took a trained artist weeks. Today you wrote 30 words and got a cinema-quality image in 10 seconds. That does not replace artists — it means anyone with an idea and the right words can now visualise it. Your words are your new paintbrush.

Visual Communication	Creative Writing	AI Tool Fluency

COMIC
Day 2

Session 2B • 50 mins

AI Comic Strip Creator — Your Story, Your Characters

MISSION BRIEFING

Mission: Every student creates a 6-panel original comic strip — characters, setting, dialogue, and artwork — entirely using AI tools. No drawing ability required.

Comic Strip Structure (5 mins)

Panel	What Goes Here
Panel 1	Introduce character and setting — who, where, when
Panel 2	The normal world — show what life is usually like
Panel 3	The problem or challenge appears — something goes wrong or surprising
Panel 4	Attempt to solve — first try (usually fails or gets complicated)
Panel 5	The turning point — clever idea or unexpected help
Panel 6	Resolution — what changed? What did the character learn?

HANDS-ON ACTIVITY

Build Your Comic Strip — Full Pipeline

1. Step 1 — Story First: Use ChatGPT with this prompt: 'Help me plan a 6-panel comic strip about [student's idea]. Give me: character name, setting, problem, 3 plot beats, resolution. Keep each panel description under 20 words.'
2. Step 2 — Generate Images: Use Ideogram or ChatGPT image to create each panel. Keep character consistent by adding their description to every prompt
3. Step 3 — Add Dialogue: Use Canva or Google Slides to overlay speech bubbles. Use ChatGPT to write punchy dialogue (under 10 words per bubble)
4. Step 4 — Title + Cover: Generate a cover image with the comic title using text-in-image
5. Step 5 — Assemble: Arrange all 6 panels in Canva. Export as PDF

6. Grade 8–10: Add one panel where the ethical dilemma is shown — what would the character do if AI told them something that felt wrong?

What they make: A complete 6-panel original AI comic strip as a PDF — first major portfolio piece

FOR PARENTS

The AI Comic Strip is this week's major project. When your child shows you their comic, ask them to walk you through it panel by panel. Then ask: 'Which panel was hardest to prompt for? Why?' This question surfaces the real learning — the struggle with precision of language, which is exactly what prompt engineering trains.

VOICE
Day 2

Session 2C • 35 mins

Voice AI — When AI Sounds Like You

MISSION BRIEFING

Mission: Students understand how voice AI works, experience it live, and form their own opinion about when it is ethical and when it is not.

Demo Sequence — 3 Reactions in 3 Minutes

Trainer demonstrates these three in sequence, letting reactions land before moving on:

- ElevenLabs TTS — paste any text, AI reads it in a professional voice
- Voice clone — trainer's own voice cloned reading a student's comic strip from Session 2B
- HeyGen avatar — the trainer's face speaking a script they did not record

After each demo: pause, let silence sit, ask 'What is your first reaction?'

Ethics Discussion — The Voice Question (15 mins)

ETHICAL SCENARIO — DISCUSS IN PAIRS

Your favourite teacher has retired. Your school creates an AI avatar of them — same face, same voice — to keep teaching students. The real teacher has agreed. Is this okay? What are the rules? Now: the teacher did NOT agree. The school did it anyway using old recordings. How does your answer change?

Guide students to surface: consent, transparency, ownership of one's voice and likeness. There are no wrong answers — the goal is structured thinking, not a verdict.

AI Ethics	Digital Citizenship	Critical Thinking

AVATAR
Day 2

Session 2D • 55 mins

Build Your AI Avatar Video

MISSION BRIEFING

Mission: Every student creates a short talking avatar video — using their own script, an AI voice, and an animated avatar — and screens it to the class at the end.

HANDS-ON ACTIVITY

Avatar Video — Step by Step

1. Step 1 — Script: Write a 60-second script about anything you know well (your hobby, your favourite book, an invention idea, something you want to teach). Use ChatGPT: 'Write a fun 60-second script for a [age]-year-old explaining [topic] to their classmates. Use simple words and end with a question for the audience.'
2. Step 2 — Avatar: Open HeyGen (free tier) → Create Avatar. Upload a 30-second video of yourself looking at the camera. Wait for avatar to process.
3. Step 3 — Generate Video: Paste your script into HeyGen. Select your avatar. Hit Generate. 2 minutes later — your avatar is talking your script.
4. Step 4 — Add Music: Download from HeyGen. Open in Canva → add background music from Canva's free library
5. Step 5 — Title Card: Add a title slide at the start: 'Presented by [Name], Grade [X], AI Explorers Academy'
6. Screen all videos in the last 15 minutes — Avatar Film Festival

What they make: A 60-second talking avatar video — the most exciting project of Week 2

AHA MOMENT

In 2019, making a video like this would have required a studio, a camera crew, a voice actor, and a video editor. Today you wrote a script, recorded 30 seconds of yourself, and let AI handle everything else. You just produced a professional video. In under an hour.

FOR PARENTS

This week your child made a talking AI avatar of themselves. Before you watch it, ask them: 'What did you script? Why did you choose that topic?' Watch together. Then discuss: 'If someone cloned your voice without asking, how would you feel? What rule would you make?' This dinner conversation is the ethics lesson — lived, not lectured.

WEEK 3

BUILDING WITH AI

No-Code Websites, AI Games & Automation for Real Life

Week 3 is where students stop being users and become builders. They publish a real website that anyone in the world can visit, and build an AI-powered quiz game from scratch. For many students, this is the first time they have made something on the internet that actually works.

WEEK 3 LEARNING GOALS

- Understand what no-code development means and why it matters
- Build and publish a personal website using Lovable or similar no-code AI builder
- Create an AI-powered quiz game on a topic they know well
- Understand what automation is and map a simple real-life workflow
- Experience a basic automation trigger-action loop (no-code)

WEEK 3 SESSION SCHEDULE

Day	Time	Session / Activity	Format
Sat	**10:00–10:15**	Avatar Film Festival Rewatch + Voting	*Celebration*
Sat	**10:15–10:40**	Session 3A — What is Vibe Coding? Introduction	*Concept*
Sat	**10:40–11:50**	Session 3B — Build Your Personal Website	*Hands-On Build*
Sat	**11:50–12:00**	Website Launch Celebration — Share Live Links	*Showcase*
Sun	**10:00–10:15**	Website improvements from weekend feedback	*Iteration*
Sun	**10:15–11:00**	Session 3C — Build an AI Quiz Game	*Creative Build*
Sun	**11:00–11:45**	Session 3D — Introduction to Automation	*Concept + Map*
Sun	**11:45–12:00**	Week 3 Showcase + Week 4 Preview	*Showcase*

CODE
Day 3

Session 3A • 25 mins

What is Vibe Coding? The New Way to Build

Vibe coding means describing what you want to build in plain language — and having AI write the code for you. Companies worth thousands of crores of rupees have been built with this method.

Old Way	New Way (Vibe Coding)
Learn Python / HTML / CSS for 2 years	Describe what you want in plain English
Hire a developer for Rs 50,000+	Use Lovable, Bolt, or similar for Rs 0–500/mo
3 months to build a basic website	45 minutes for a complete, published website
Technical skill is the barrier	Creativity and clear communication are the skill

Key companies built this way: Lovable ($40M revenue, 20 people), Cursor ($200M revenue, 20 people). The future belongs to people who can communicate precisely — not just people who can code.

BUILD
Day 3

Session 3B • 70 mins

Build and Publish Your Personal Website

MISSION BRIEFING

Mission: Every student publishes a real, live website by the end of Saturday — visible to anyone in the world — built entirely by describing what they want to AI.

Website Types — Students Choose

Website Idea	What Goes Inside
My Interest Portfolio	Favourite book, sport, game, or topic — with AI-generated images and descriptions
My School Project Page	Summarise a school topic in a visual, interactive way
My Hobby Blog	Showcase a skill: art, cooking, gaming, cricket stats analysis
My Future Self	What career you want, why, what skills you're building
A Fan Page	For a book series, sports team, musician — with AI-generated creative content

HANDS-ON ACTIVITY

Website Build — The Lovable Way

1. Go to lovable.dev — sign in with Google (free tier gives 5 projects)
2. Type your website brief using this template: 'Build a personal website for [name], a Grade [X] student who loves [interest]. Include: a hero section with my name and a tagline I write, a section about my interests with 3-4 images, a 'My Projects' section where I will add my AI comic strip and avatar video, and a contact section with my school email. Use [colour] as the main colour. Make it look modern and fun.'
3. Review what Lovable generates — click Preview
4. Iterate with specific feedback: 'Change the font to something bolder.' 'Make the hero image bigger.' 'Add a footer with today's date.'
5. Generate missing images using ChatGPT or Ideogram and upload
6. Click Publish — your website is now live with a real URL
7. Copy the URL into the class shared document
8. Grade 8–10: Add a blog section. Write one real post using ChatGPT to draft and your own voice to personalise.

What they make: A live, published personal website with a real URL that anyone can visit — second major portfolio piece

AHA MOMENT

You just published something on the internet that the whole world can see. Your parents can share it. Your grandparents can visit it. Future colleges or employers could one day find it. You are not just a user of the internet anymore. You are a builder of it.

FOR PARENTS

Your child's website URL will be shared in the weekly summary email. Please visit it, share it with family members, and show them who visited it. Seeing real traffic from real people is one of the most motivating experiences a young builder can have. Consider sharing it on your own social media — with their permission.

GAME
Day 3

Session 3C • 45 mins

Build an AI Quiz Game — Be the Teacher

MISSION BRIEFING

Mission: Students build an AI-powered quiz game on a topic THEY know well — reversing the role from student to teacher. This is the deepest learning moment of the program.

When you teach something, you understand it at a completely different level. This session gives students the AI tools to become the expert.

HANDS-ON ACTIVITY

AI Quiz Game — Two Options by Grade Level

1. Junior Track (Grades 5–7): Use Quizgecko.com or Quizalize — paste their comic strip, website content, or a Wikipedia article on their favourite topic. AI auto-generates a multiple choice quiz. Students edit questions, customise the look, add their avatar image as the mascot. Share the quiz link with classmates to play live.

2. Senior Track (Grades 8–10): Use Google AI Studio or ChatGPT to generate 15 quiz questions + answers + explanations for a topic they know well. Copy into a Canva presentation with a game-show visual style. Present to the class as a live quiz game — student is the host, classmates answer via raised hands or typed in chat. AI also generates wrong answers (distractors) that feel realistic.
3. Everyone: After playing each other's quiz — vote on Most Educational, Most Creative, Hardest Quiz. Trainer announces winners.

What they make: A playable quiz game on a topic they know — third major portfolio piece

Teaching Skills	Content Creation	Domain Expertise

AUTO
Day 3

Session 3D • 45 mins

Introduction to Automation — Making Things Work While You Sleep

MISSION BRIEFING

Mission: Students understand what automation is by building a simple one — and they leave with a mapped workflow for something in their own life.

The Pizza Restaurant Analogy (10 mins)

Tell the story: an old pizza restaurant where a person takes orders by hand, walks to the kitchen, tells the chef, comes back, gives the bill. Now a modern restaurant: customer orders on iPad, kitchen screen updates automatically, bill generates itself, chef gets notification. SAME PIZZA. Totally different system.

Old Way (Manual)	New Way (Automated)
Student writes assignment reminder in notebook	Google Calendar sends automatic reminder the night before
Parent emails school for timetable every term	Form auto-emails timetable PDF on the first day of every term
Check Swiggy order status manually	App sends notification at every stage automatically
Fill attendance register by hand	Face recognition system logs attendance and emails parents

HANDS-ON ACTIVITY

Map Your Own Automation

1. Students identify ONE thing in their life they do manually and repeatedly (check bus timings, remind themselves about homework, track pocket money)
2. Draw the automation on paper: TRIGGER (what starts it?) → ACTION (what happens?) → RESULT (what changes?)
3. Trainer shows a live Make.com scenario: Google Form filled → automatic WhatsApp message to parent → entry in Google Sheet. No code. Just drag, drop, connect.

4. Grade 8–10: Build a simple Zapier or Make automation themselves — Google Form → Gmail notification. Takes 15 minutes. Works immediately.
5. Everyone maps their dream automation: 'If I could automate anything in school, what would it be?' Vote on the class favourite.

What they make: A mapped automation workflow — their own idea, ready to be built in the future

FOR PARENTS

This week your child built a real website and learned what automation means. Ask them: 'What would you automate at home if you could?' You will be surprised by the systems-thinking this question reveals. The best answers often come from Grade 5 students, not Grade 10.

WEEK 4

AI FOR GOOD

Data Stories, Ethics Deep Dive & Capstone Showcase

Week 4 is where the program crescendos. Students learn to read and tell stories with data, they debate real ethical scenarios, and on Sunday — they present their full portfolio to parents, classmates, and a panel in a structured Capstone Showcase. This is the moment the program was designed for.

WEEK 4 LEARNING GOALS

- Understand what data is, why it matters, and how AI finds patterns in it
- Create an AI-powered data story poster on a topic they care about
- Articulate a personal framework for responsible AI use
- Present their full portfolio confidently to an audience
- Receive a structured completion certificate and peer recognition

WEEK 4 SESSION SCHEDULE

Day	Time	Session / Activity	Format
Sat	**10:00–10:15**	Automation Ideas Share + Week 4 Preview	*Energiser*
Sat	**10:15–11:00**	Session 4A — AI for Data: Reading the World in Numbers	*Concept + Demo*
Sat	**11:00–11:50**	Session 4B — Build Your Data Story Poster	*Creative Build*
Sat	**11:50–12:00**	Ethics Preview: Case Study Teaser for Sunday	*Discussion Teaser*
Sun	**10:00–10:30**	Session 4C — Ethics Deep Dive & Personal AI Pledge	*Ethics Lab*
Sun	**10:30–11:15**	Capstone Preparation — Polish All Projects	*Studio Time*
Sun	**11:15–12:00**	CAPSTONE SHOWCASE — Parent & Peer Presentations	*Celebration*

DATA
Day 4

Session 4A • 45 mins

AI for Data — Reading the World in Numbers

MISSION BRIEFING

Mission: Students discover that data tells stories — and AI can find stories in data that no human would find by looking at a spreadsheet.

Opening Question (5 mins)

'How many text messages do Indians send per day? How many YouTube videos are uploaded per minute? How many photos are taken globally per second?' Show the actual numbers. Let them land. Then: 'All of this is data. And someone — or something — is reading it.'

What is Data? What is a Pattern?

Data Example	The Pattern AI Finds
A student's test scores over 10 exams	Scores drop on Mondays — they are not sleeping enough on weekends
Daily temperature in a city for 5 years	Climate is warming 0.4 degrees per decade in this region
Every ride a taxi app takes	Peak rides are 8:30am and 6:45pm — school and office commute
What students search on YouTube	Interest in coding peaked after a big tech company came to their school
Sales of ice cream and drowning deaths	Both rise in summer — NOT because ice cream causes drowning. Correlation vs causation.

Tool: ChatGPT + Canva for Data Stories

Students do not need Julius AI or Python at this age. They use: (1) find a dataset on a topic they care about (Kaggle Kids or data.gov.in), (2) describe it to ChatGPT and ask what stories it sees, (3) use Canva to design a visual data story poster.

HANDS-ON ACTIVITY

Data Story Poster — Find a Story in Real Data

1. Choose a topic you care about: cricket statistics, Bollywood box office, pollution in your city, rainfall data for your state, school lunch menu nutrition, top 10 apps used by teens
2. Find or use provided dataset (trainer provides 5 cleaned CSVs for different interests)
3. Describe the dataset to ChatGPT: 'I have data showing [describe columns]. What are 5 interesting patterns or stories I could find in this data? I am a Grade 8 student making a poster.'
4. Pick the most interesting story. Ask ChatGPT: 'Create a chart description for this pattern that I can visualise. What title, what X-axis, what Y-axis, what should the headline say?'
5. Build the poster in Canva: include a chart (Canva charts), a headline, 3 data facts, and your conclusion
6. Add your AI avatar from Week 2 as the 'presenter' in the corner of the poster
7. Title: '[Your Name] Data Detective — [Topic] Edition'

What they make: A professional data story infographic poster — fourth major portfolio piece

AHA MOMENT

Data is not boring numbers. Data is stories waiting to be read. Every number in that spreadsheet represents a real person, a real moment, a real decision. AI can find the stories in seconds. Your job is to decide which stories matter, which ones need to be told, and what should be done because of them.

Data Literacy	Visual Communication	Research Skills

ETHICS
Day 4

Session 4C • 30 mins

Ethics Deep Dive & Your Personal AI Pledge

MISSION BRIEFING

Mission: Students articulate their own ethical framework for AI use — not rules given to them, but rules they derive themselves from real scenarios.

Four Mini Case Studies — Quick Debate (20 mins)

2 groups debate each scenario. 3 minutes of discussion. 1 minute each side presents. Class votes. No right answers — structured reasoning is the goal.

CASE 1 — The Homework Helper

Aanya uses her Study Buddy GPT to understand a concept, then writes the answer herself. Arjun copies ChatGPT's answer word for word and submits it. Both get A grades. Is there a difference? Should schools treat these the same?

CASE 2 — The Missing Face

A company uses AI to screen job applications and automatically rejects anyone whose name sounds 'non-local.' The company says the AI just matched patterns from their past successful hires. Who is responsible?

CASE 3 — The AI Teacher

A village school with only one teacher uses an AI system to teach all subjects to all classes simultaneously. Test scores go up 30%. The human teacher is now reassigned to the city school. Was this a good outcome for the students? For the village?

CASE 4 — The Perfect Fake

You can create a perfectly realistic photo of any public figure doing anything. No one can tell it is fake. You use this power to show a politician doing something they did not do — but you believe they would do. Is this expression? Journalism? Fraud?

Personal AI Pledge (10 mins)

Every student writes and signs their Personal AI Pledge — 5 rules they commit to. These are read aloud at the Capstone Showcase. Examples to inspire (not prescribe):

- I will always tell people when something was made with AI help
- I will check AI answers before I trust them — especially for important things
- I will not use AI to pretend to be someone I am not
- I will protect my personal information — not share it with AI tools
- I will use AI to make my work better, not to skip the thinking

Ethical Reasoning	Digital Citizenship	Personal Values

STAR
Day 4

Session SHOWCASE • 45 mins

Capstone Showcase — Parent & Peer Presentations

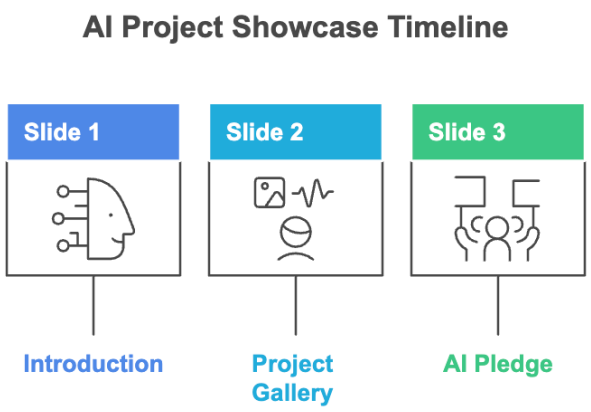
MISSION BRIEFING

Mission: Every student presents their 4-week portfolio to parents, classmates, and the trainer panel — celebrating what they built, what they learned, and who they are as young AI explorers.

Showcase Format

Time Slot	What Happens
11:15–11:20	Welcome from trainer — setting the stage for parents
11:20–11:50	Each student: 90-second portfolio presentation (3 slides max)
11:50–11:57	Student reads their Personal AI Pledge
11:57–12:00	Panel awards and certificate presentation

Student Presentation Template (3 slides)



Slide	Content
Slide 1 — Hi, I'm [Name]	Photo, grade, school, one sentence about what excites them about AI
Slide 2 — What I Made	Show Study Buddy, Comic Strip, Avatar Video, Website, Quiz, Data Poster — quick gallery
Slide 3 — What I Believe	Their Personal AI Pledge — read aloud with conviction

Awards — Four Categories

Award	Decided By
Most Creative AI Explorer	Class vote — most original projects across all 4 weeks
Best Data Detective	Trainer and panel — most insightful data story poster
Boldest Builder	Most ambitious website or quiz game attempted
AI Ambassador	Student who best articulated their ethical framework in the pledge

FOR PARENTS

To all parents at the Capstone Showcase: you are not watching a performance. You are watching your child present real work they built over 4 weeks using the most powerful technology of our generation. When they read their AI Pledge, they are not reciting rules given to them — they are sharing values they formed themselves. That is the real output of AI Explorers Academy.

WEEK 0

APPENDIX — PARENT & TRAINER RESOURCES

Everything you need to support learning before, during, and after the program

COMPLETE TOOL STACK — WHAT STUDENTS USE & WHY

Tool	What Students Use It For	Free / Safe for Schools
ChatGPT (OpenAI)	Study Buddy GPT, creative writing, quiz generation, prompt practice	Free tier / parental account
Claude (Anthropic)	Long text analysis, nuanced questions, safer for younger students	Free tier
Google Teachable Machine	Train image and audio classifiers — no code, no login	Completely free, browser-based
Gemini (Google)	Google Workspace integration, research	Free with Google account
Perplexity	Cited research for school projects	Free tier
Ideogram.ai	Image generation with text overlay — safe guardrails	Free tier
ChatGPT 4o Image	In-chat image generation	Free limited / Plus
Canva AI	Design, presentations, data charts, poster layouts	Free education accounts
HeyGen	Avatar video creation	Free tier — 3 videos
ElevenLabs	Text-to-speech and voice demonstration	Free tier
Lovable.dev	No-code website builder	Free — 5 projects
Google AI Studio	Rapid prototyping, Gemini API access	Free
Quizgecko / Quizalize	AI-powered quiz creation	Free education tier
NotebookLM	Document Q&A, audio summary generation	Free
Gamma.app	AI presentation creation	Free tier
Make.com / Zapier	Basic automation demonstration	Free tier
Kaggle (data)	Sample datasets for data story session	Free
data.gov.in	Indian government open data for local relevance	Free

GRADE-LEVEL DIFFERENTIATION GUIDE

Session	Grades 5–7 (Junior Track)	Grades 8–10 (Senior Track)
Teachable Machine	Guided — trainer walks each step. 3 classes. Celebrate every result.	Open — build something original. Add audio classifier. Document findings.
Prompt Engineering	RACE framework only. Fill-in-the-blank template. 3 practice rounds.	RACE + TASK + Chain-of-Thought. Write all prompts from scratch. Critique each other's prompts.
Custom GPT Build	Use provided instruction template. Personalise personality and subject.	Write instructions from scratch. Upload school materials. Add web browsing.
Image Generation	3 guided prompts with formula. Choose style from a menu.	Experiment with negative prompts, style combinations, consistent character design.
Comic Strip	6-panel with guided story template. Trainer helps with panel structure.	Self-directed story. Original characters. Ethical subplot required.
Website Build	Use Lovable template. Select from 3 layout options. Trainer assists.	Design from scratch. Add blog section. Deploy with custom subdomain.
Data Story	Choose from 3 provided datasets. Use ChatGPT to surface 1 insight.	Source own dataset. Find 3 patterns. Write captions independently.
Ethics	Listen and react. 2 case studies with guided questions.	Lead the debate. Introduce counterarguments. Present ethical framework.

WEEKLY PARENT COMMUNICATION PLAN

Every Sunday evening, parents receive a 300-word email summary with:

- What their child learned this session
- The project they completed (with a link or photo)
- One conversation starter for dinner ('Ask your child: ...')
- One optional activity to do together before next weekend
- Any tools they can explore safely at home this week

Week	Sunday Dinner Conversation Starter
Week 1	'Show me your Study Buddy. Ask it something I would ask a tutor. What did it say?'
Week 2	'Play me your avatar video. Why did you choose that topic? Did the AI voice sound like you?'
Week 3	'Visit your website with me right now. Who have you told about it? What would you change?'
Week 4	'Read me your AI Pledge. Which rule was hardest to write? Which one do you believe most?'

FREQUENTLY ASKED PARENT QUESTIONS

Is this safe for my child's age?

Yes. Every tool selected for this program has been evaluated for age-appropriateness. We use tools with built-in content guardrails (Ideogram, Canva AI, ElevenLabs) and do not use tools that generate violent, adult, or inappropriate content. Ethics is taught from Week 1, not as an afterthought. All accounts are created under parental supervision during orientation.

Will my child need expensive subscriptions?

No. The entire program runs on free tiers of all tools. We deliberately designed the curriculum to use only free access — HeyGen (3 free videos), Lovable (5 free projects), ChatGPT (free tier), Teachable Machine (completely free). The only optional purchase is ChatGPT Plus (Rs 1,700/month) for students who want to explore more deeply after the program — this is never required.

My child is not 'a tech person' — will they keep up?

This program was specifically designed for students with zero technical background. The first activity has no technology at all — it is a conversation. By the time students open a tool, they already understand what it does. No student has ever fallen behind in AI Explorers Academy because of a lack of technical knowledge. Creativity, curiosity, and communication skills matter far more here.

How does this connect to their school curriculum?

AI Explorers Academy complements every subject. The Study Buddy bot helps with any school subject. The comic strip builds language and narrative skills. The data story connects to mathematics and social science. The ethics discussions align with values education. Several schools have formally recognised program completion as a co-curricular achievement.

What happens after Week 4?

Graduates receive: (1) a digital certificate of completion, (2) a portfolio PDF of all 8 projects, (3) access to a private alumni community where they can share projects and get peer feedback, and (4) priority enrollment in the advanced Level 2 program — AI Builders Academy — which covers automation, voice agents, and building real tools for their school or community.

Will my child become dependent on AI for school work?

This is the question we take most seriously. Every session teaches AI as a starting point, not a finishing line. The mantra we repeat throughout the program: 'AI does the first draft; YOU do the thinking.' The Study Buddy GPT is instructed never to give direct answers — it guides. The ethics session on Week 4 specifically addresses the difference between using AI to learn and using AI to avoid learning. Students leave with agency, not dependence.

CAPSTONE SHOWCASE — PARENT GUIDE

The Capstone Showcase on Week 4 Sunday is the program's culminating event. Parents are warmly invited to join live (online). Here is what to expect:

Showcase Element	Your Role

Student portfolio presentations (90 seconds each)	Watch, listen, cheer — your child rehearsed this
Personal AI Pledge reading	This is the most meaningful moment — listen closely
Live Q&A from panel	Panel may ask your child one question — encourage them to answer in their own words
Award ceremony	Four awards per batch — announced by trainer
Certificate presentation	Digital certificate emailed within 24 hours of event
Post-showcase reception (15 mins)	Informally talk to trainer — ask any questions about next steps