AI CURRICULUM

Week 1 - Prompting Basics: The Language of AI

Foundation: Help students understand how to think and communicate effectively with AI.

- What is prompting? (Inputs, outputs, and how AI "interprets" language)
- Anatomy of a strong prompt (context, role, structure)
- Prompt types, formats and modifiers
- Prompt engineering techniques
- Hands-on prompting exercises

Week 2 - Environments, Tools & Applied Prompting

Equip students to understand how to use AI tools within real-world environments and how their prompt strategy must adapt when APIs and external tools are involved.

- What is an "AI Environment"?
- Integrating APIs and External Tools
- Prompting Inside Tools vs. Prompting in Chat
- Debugging and Failure Modes
- Real world Use Cases + Week Mini – Challenge

Week 3 - Prompt Testing & Iteration: Building with AI

Teach students how to refine their ideas, adapt outputs, and become iterative thinkers.

- How to "debug" prompts that don't work well
- Prompt iterations: improving accuracy, tone, format, or logic and using feedback loops to fine-tune results
- Designing for goals (e.g. creative writing vs. data summarization vs. coding)
- Reverse-engineering strong AI outputs

Week 4 -Data & Data Integrity – Trusting Your Inputs

Build literacy around how AI works with data — and how students can judge, validate, and improve it.

- Where AI gets its data
- How to verify AI-generated information and detecting bias, errors, or hallucinations
- Structuring data for better outputs (clean tables, outlines, docs)
- Privacy, copyright, and terms of use
- Prompting AI to "act" like a specific data interpreter (e.g. resume reviewer, spreadsheet analyst)

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Week 5 - Ethics & Application: Learning to Lead Responsibly

Help students think critically about the impact of AI on society, work, and their own choices.

- What ethical concerns exist with AI? (Bias, misinformation, surveillance, etc.)
- When should we use AI — and when shouldn't we?
- How AI is impacting the brain and learning
- Copyright, authorship, and transparency
- The role of human judgment in AI collaboration
- How AI impacts education, jobs, and relationships

Week 6 - Building Using AI (Project Launch Week)

Students begin building their own AI-powered project, product, or solution.

- What is an PRD? (Product Requirements Document explained simply)
- Choosing a project that solves a real-world problem
- How to use AI to brainstorm, plan, build, and test your MVP
- 50+ hands-on project options provided across industries
- Students select a project, and begin build a version for Demo Day/Week 8

Week 7 - AI Trends & Industry Disruption: Looking Ahead

Students reflect, refine, and look forward to where their skills fit in the real world.

- AI job trends: What's changing across healthcare, law, design, education, finance, etc.
- What jobs are at risk — and which are growing?
- How AI is disrupting college admissions, career paths, and entrepreneurship
- How to build your resume and career with AI-enhanced work
- AI + you: Using AI to plan your path forward and creating a personal "AI toolkit"

Week 8 - AI Skill-Building – Practice Through Projects

Students showcase their prototypes and expand their skills by exploring more projects, use cases, and fields of interest.

- • Demo Day presentation of every student project
- • Peer critiques and feedback loop
- • Building your "AI portfolio" with 3+ real examples
- • Learn by doing: Second round of MVP practice or skill extension from our challenge library