

THE FAST & THE CURIOUS

AI + STEM + PLAY

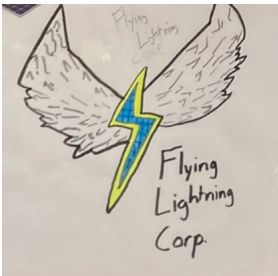
Human-Powered AI

Introduce students to the power of artificial intelligence—not as a shortcut, but as a tool to spark creativity aid problem-solving, and enhance productivity.

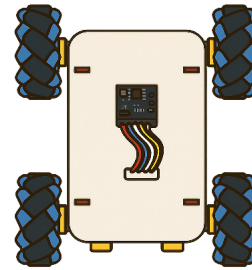
Through hands-on projects, students learn to see AI as part of an “engineering design cycle,” where multiple attempts and refinements lead to stronger results. By engaging with tools like ChatGPT, Gemini, and other large language models, they discover how technology can support their ideas rather than replace them, building confidence in both their own technical and creative abilities.

Drive. Design. Discover.

Through Ten80's 12 to 30 contact-hour project, students learn by launching their own RC racing team. They assemble and customize cars, code with micro:bits, and design everything from team brands and billboards to race tracks. Using AI, they also tackle real-world challenges—such as planning the most efficient delivery route in a logistics challenge. The result is a perfect blend of play, creativity, and technology that equips students with 21st century skills and shows them how to harness AI as a partner in innovation.

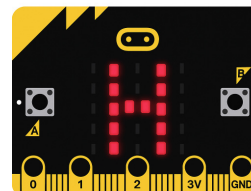
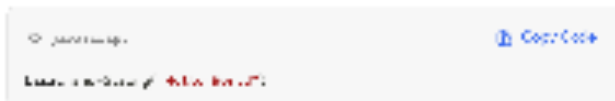


Start with your own ideas and use AI to level-up.



Use hand tools to assemble an RC car.

Here's a simple AI-generated code snippet for the Microsoft MakeCode editor. You can upload this code through the MakeCode editor.



Use AI to generate code. Then debug or rewrite the code to make it work.