

AI PLAYGROUND

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University of
South Australia

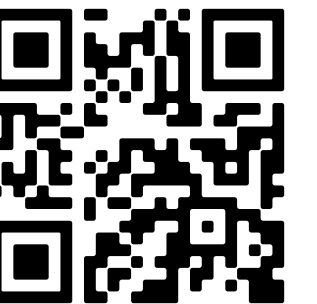
meldCX™

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meldcx.com/aiplayground

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Watch the clip



Gamifying the learning experience with **artificial intelligence**.

The challenges faced by schools and educators, as they respond to rapidly emerging AI technologies, presents an important conversation that will shape the future of education. Today's students have the potential to become superhumans, as technology becomes more accessible and easy to use.

The **AI Playground** offers students a way to learn with AI and technology in order to solve complex problems that humans cannot solve on their own. This is done by providing students with challenges.



PLAY WITH AI

The AI Playground is a safe place to **experience and explore AI**, instilling confidence, imagination, problem-solving skills, and collaboration.



LEARN ABOUT AI

Through AI play, teachers and students can **spark rich conversations in the classroom** about what we can do with AI, what is desirable, and what is ethical.



DEVELOP YOUR OWN AI

Students are **tasked with real-world challenges** — training and improving AI to solve complex problems, and creating AI to follow their own imagination. **All data is owned by the students themselves.**



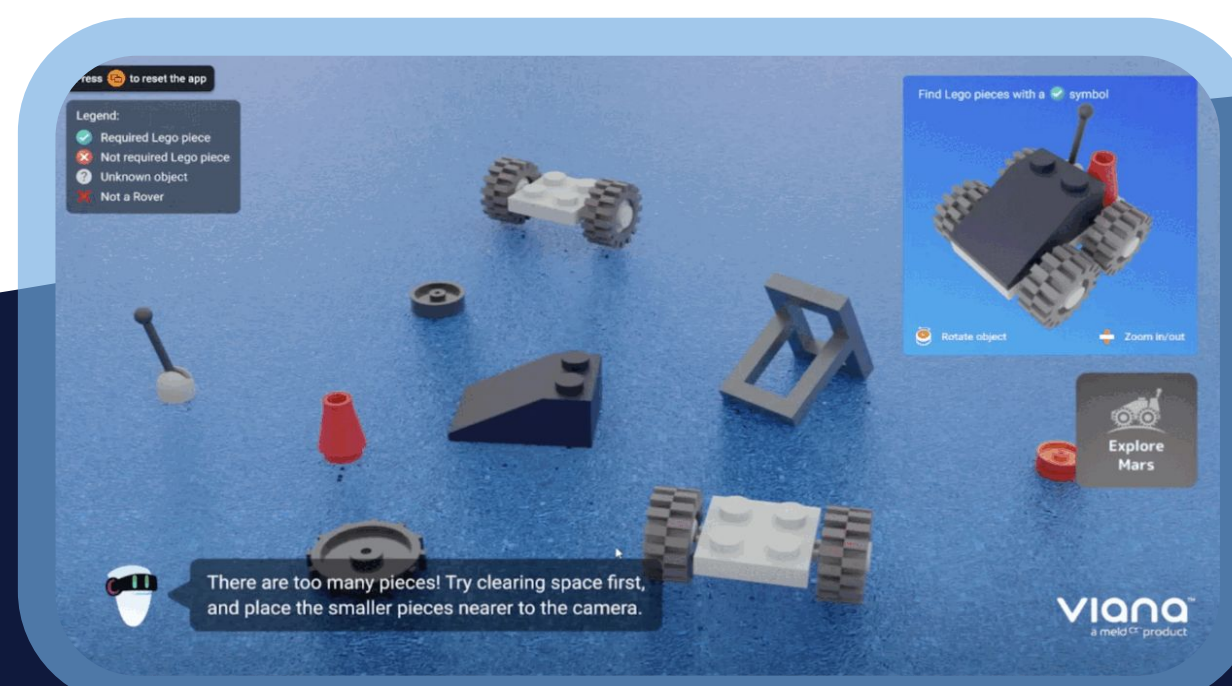
The Mars Rover Challenge



STEP 1

PREPARE

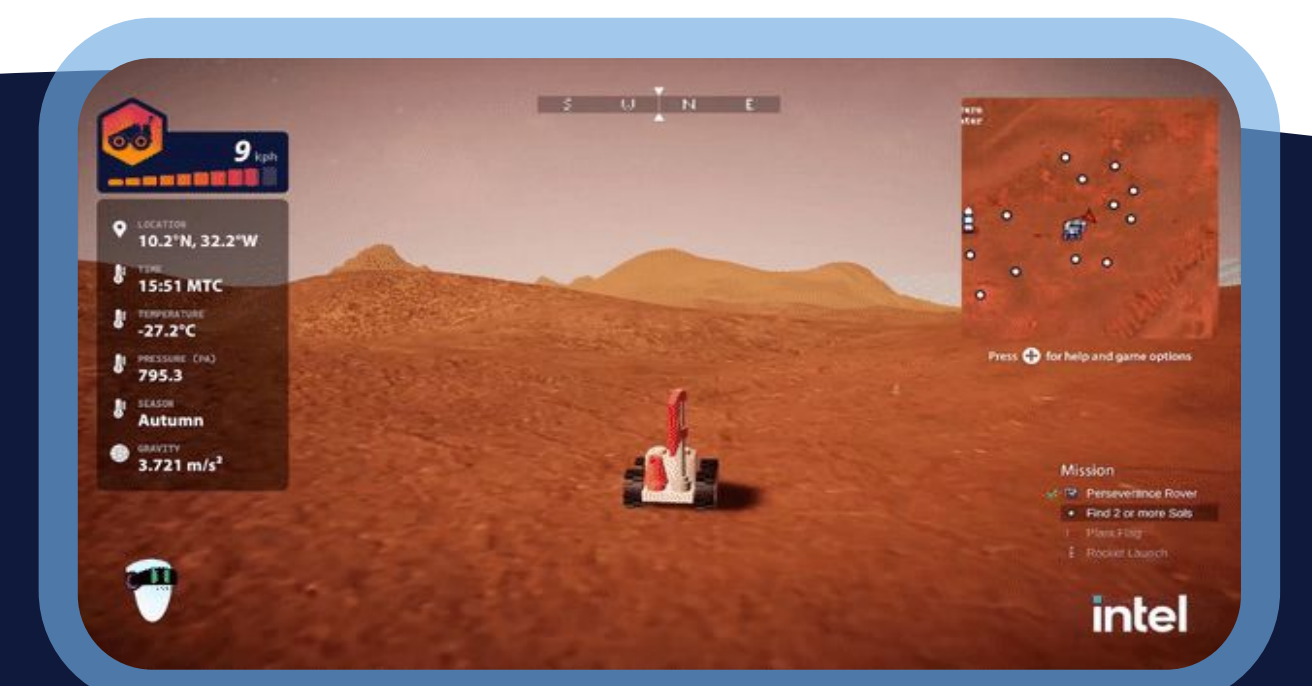
Students learn about the building process of a Mars rover. AI-powered cameras help detect and select the required Lego pieces for the rover design.



STEP 2

CREATE

Students work together with AI to build their Mars rover. AI provides them with feedback during the building process and guides the rover design towards completion.



STEP 3

LAUNCH!

When ready, the rover is launched into space! Students can then navigate their own rover in a virtual outer space environment — learning about and mapping new terrain on Mars.