

What Could Technology Do?

Duration: 60 minutes

Target age: 11-16 years

Learning Objectives

By the end of this lesson, students will be able to:

- ★ Describe how AI is used today in different areas of life.
- ★ Identify emerging AI trends and technologies.
- ★ Use a Today → Emerging → 2050 framework to imagine realistic future AI solutions.
- ★ Develop and share a short concept for a hopeful 2050 scenario.

SESSION BREAKDOWN

Starter – Future Headlines

TIME: 5 MIN

Hook students' curiosity with imagined 2050 news headlines and discuss realism.

Mini-Input: How AI Evolves

TIME: 5 MIN

Introduce the Today → Emerging → 2050 framework and real-world examples

Case Study Carousel or own ideas

TIME: 15 MIN

Students explore five short examples (e.g., AI in Green Cities, Mental Health, Creativity) to see how AI might develop – or Task: Explore How AI Evolves - your ideas –allow students to use the framework and come up with their own ideas.

Challenge + Capability Cards Activity

TIME: 15 MIN

In teams, students combine a Challenge Card (e.g., "Clean Energy") with AI Capability Cards to invent a future AI solution using the framework.

Share and Reflect

TIME: 10 MIN

Teams give short "elevator pitches" about their 2050 ideas.

Exit Reflection

TIME: 10 MIN

Students share one hope or question about AI's role in 2050.

