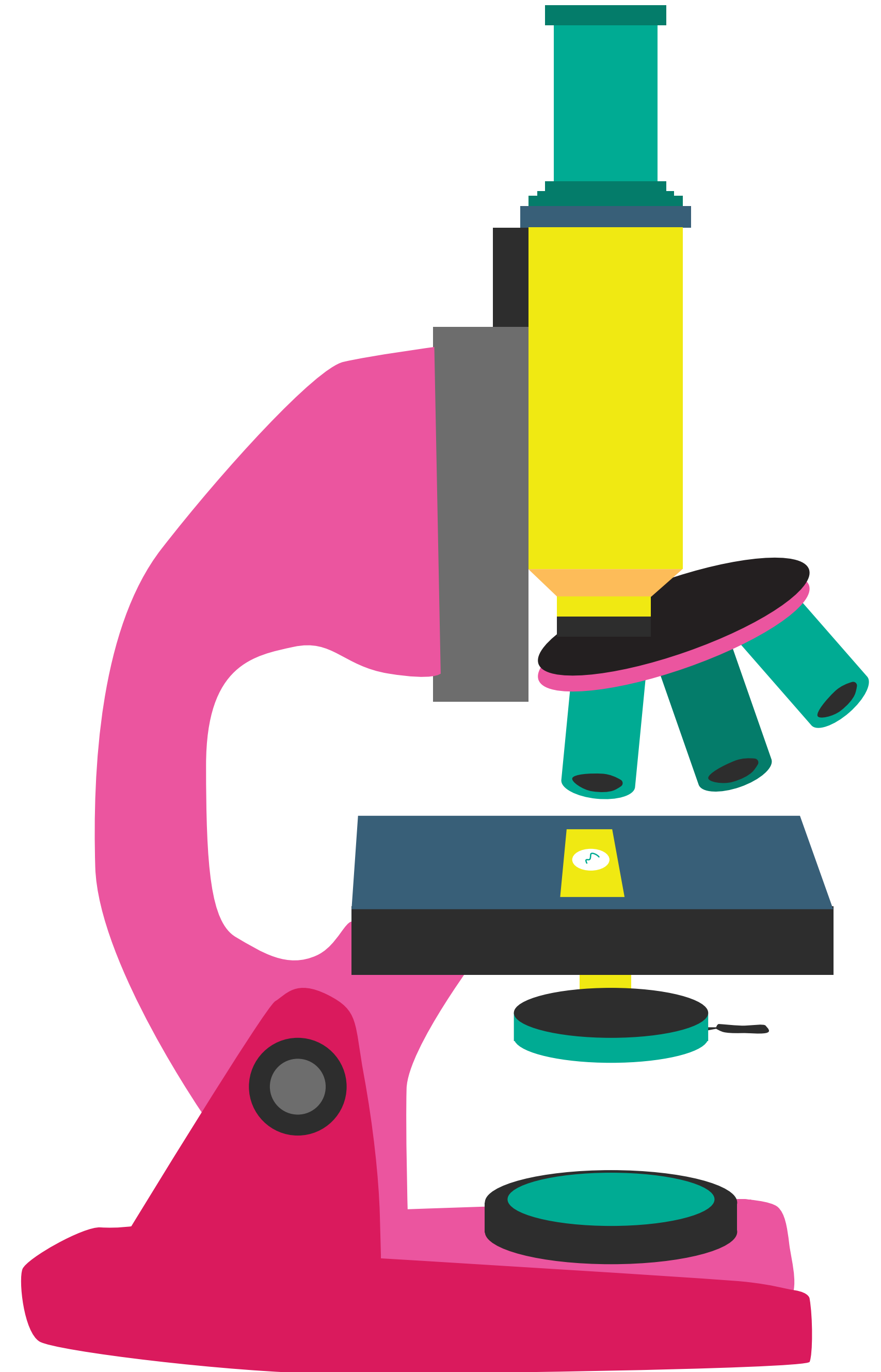


Welcome to 2050

Learning Objectives

By the end of this lesson, you 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.



Task: Read the 4 headlines

Decide if they are realistic or too far-fetched?

● REALISTIC BY 2050

● MAYBE — DEPENDS ON HOW TECH EVOLVES

● TOO FAR-FETCHED

“Robot Gardeners Keep City Parks Clean and Green All Year Round”

“Friendly AI Pets Help Kids Manage Stress and Build Confidence”

“AI Study Buddies Help Every Student Learn in Their Own Way”

“Instant Translation Glasses Let Everyone Join Any Conversation”

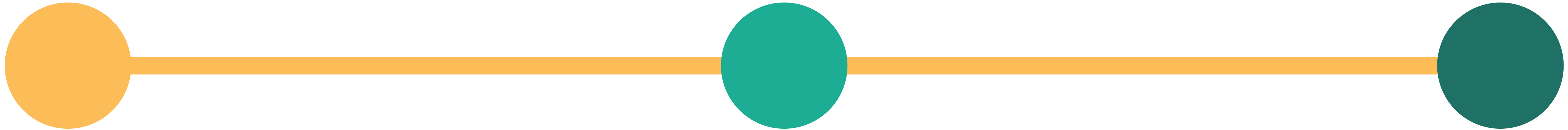
In pairs discuss:

- ✳ Which headline seems the most believable? Why?
- ✳ Which one would you most like to come true?
- ✳ What would need to happen for this to become reality?



What Could Technology Do?

Today → Emerging → 2050 (Framework)



TODAY

"AI helps doctors detect diseases, enabling early diagnosis and improving patient outcomes across various healthcare fields."

EMERGING

"AI predicts and prevents illnesses through data analysis, allowing for proactive healthcare interventions before symptoms arise."

2050

"Personalized AI health partners provide tailored health advice and support, revolutionizing individual wellness and healthcare management for everyone."

AI in Healthcare

- **TODAY** AI detects diseases
- **EMERGING** Personal health partners
- **2050** Predicts illness



AI in Mental Health

- **AI ASSIST USERS**

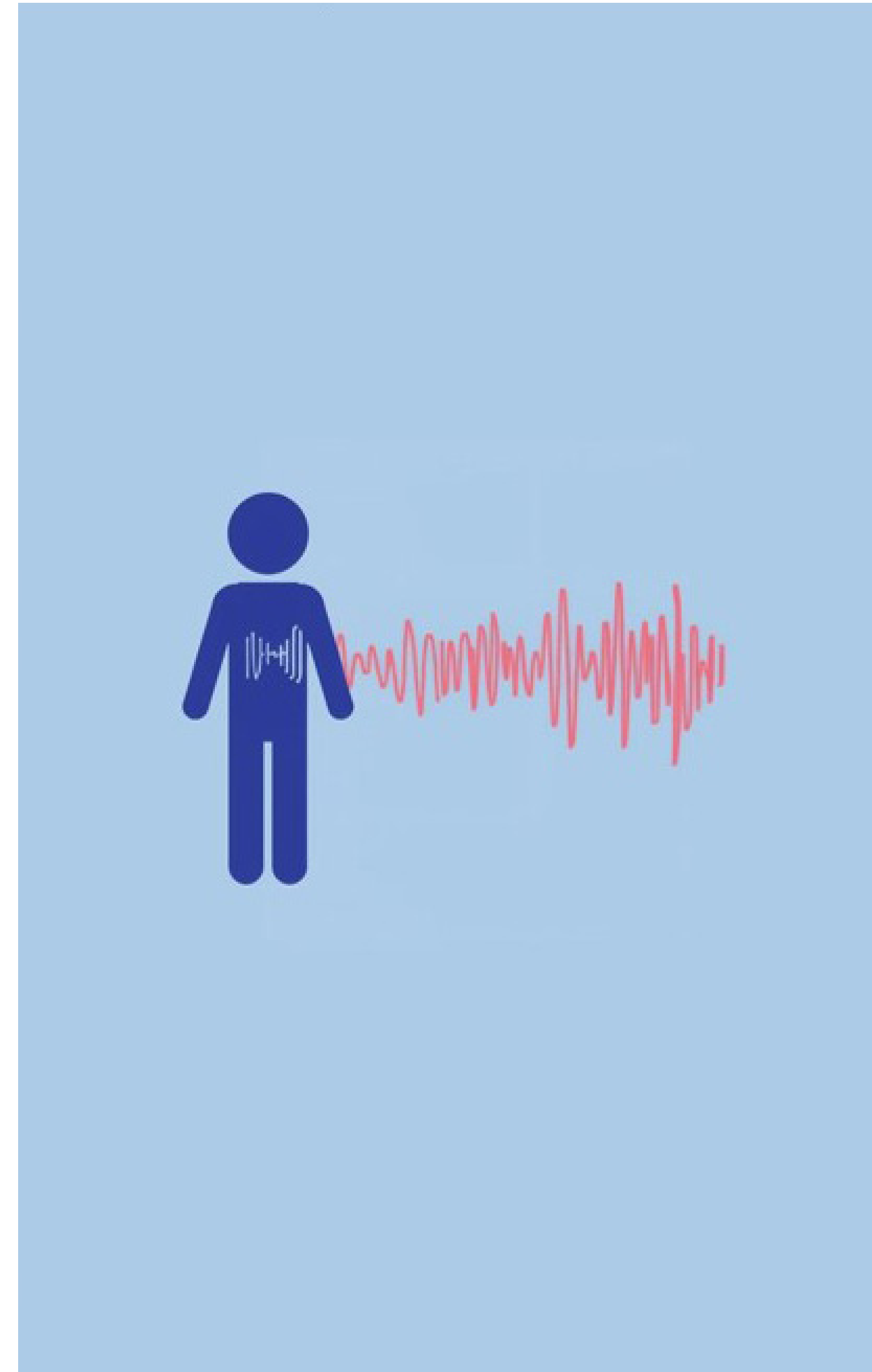
Chatbots supporting wellness

- **ANALYZES VOCAL TONE**

Stress detection technology

- **PROMOTES CONNECTION**

AI companions for wellbeing



AI in Green Cities

● OPTIMIZING FLOW

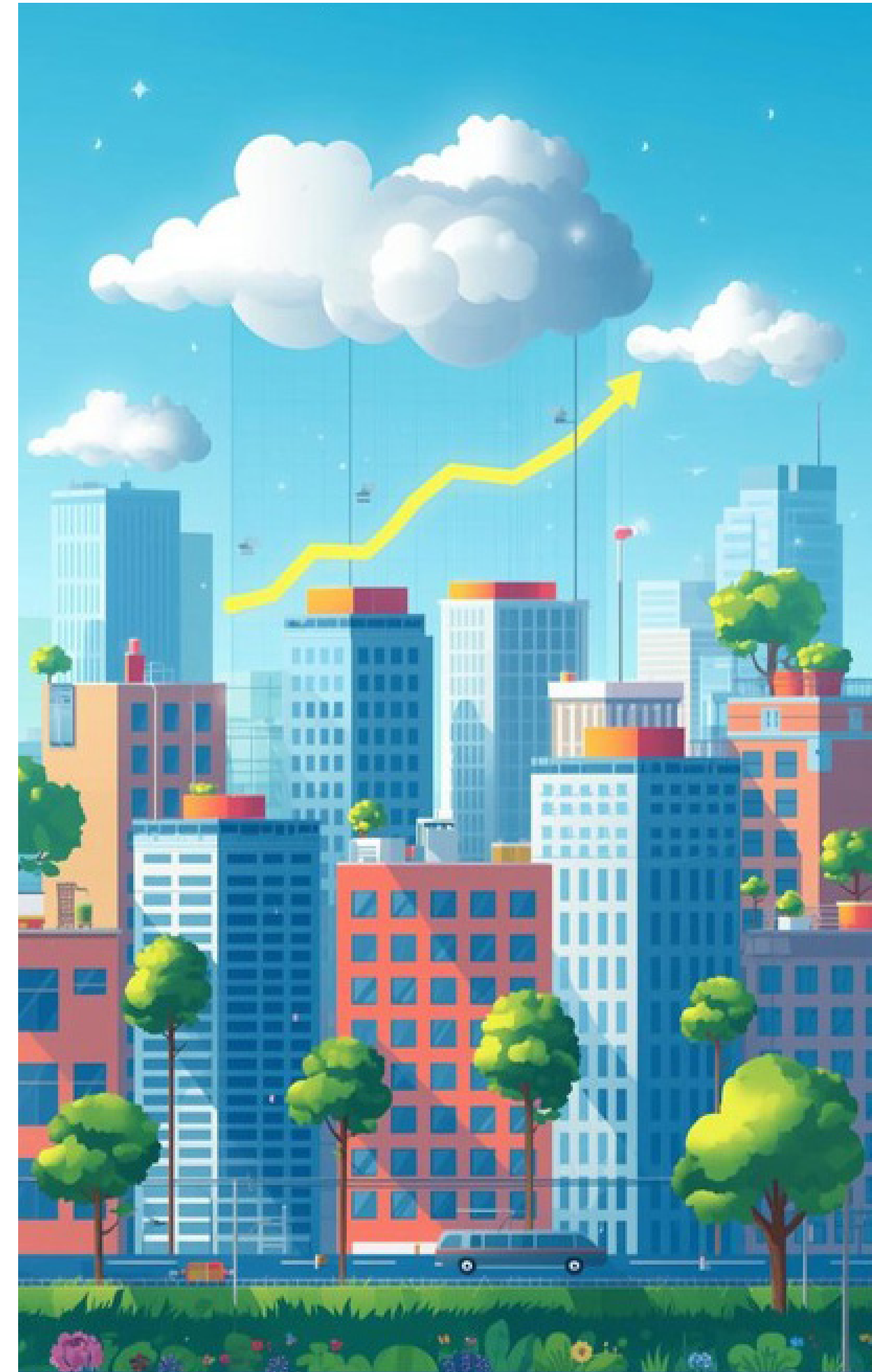
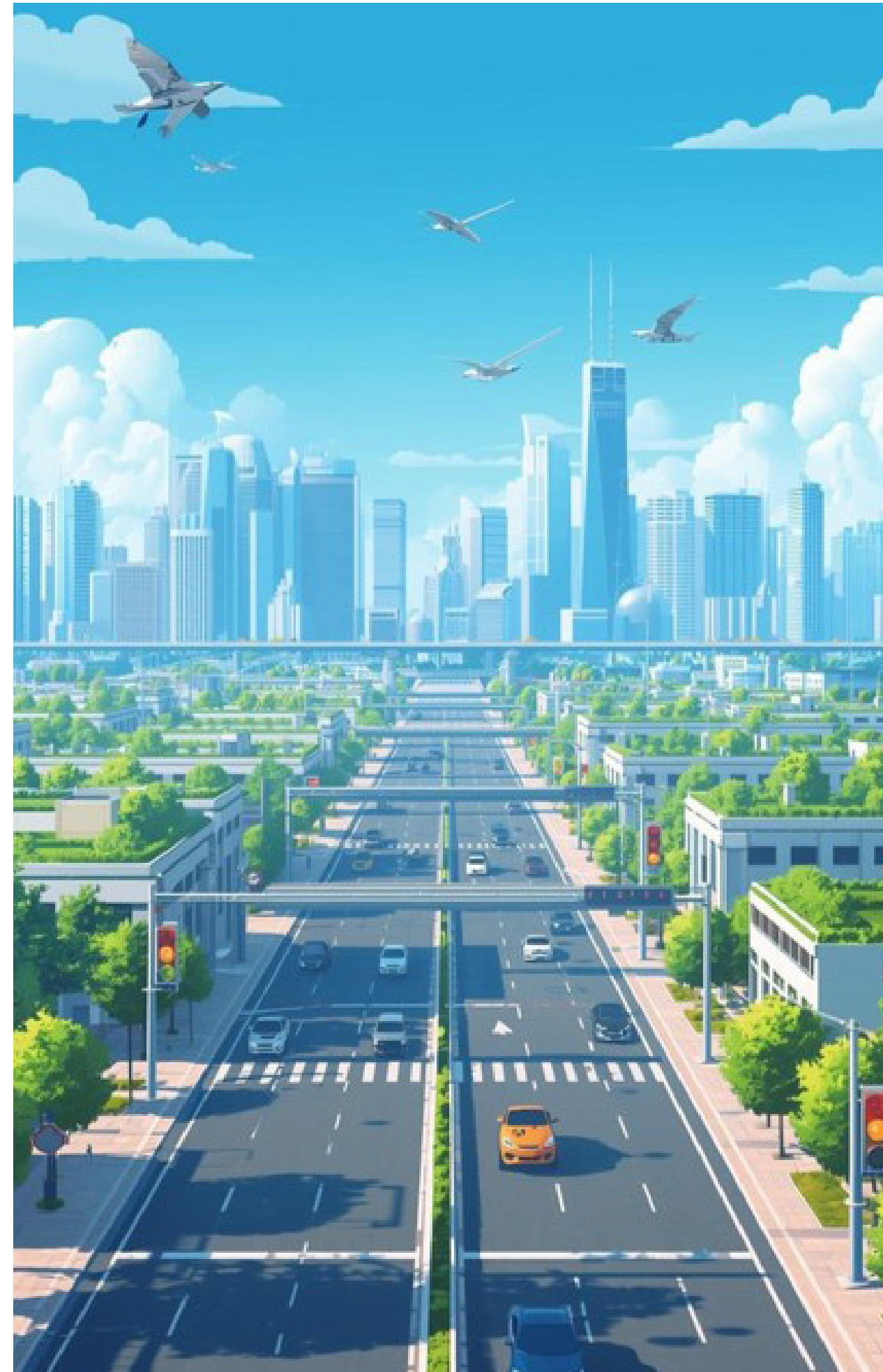
Smart traffic management

● MONITORING LEVELS

Pollution prediction

● SUSTAINING NATURE

Ecological balance



Activity: Case Study Carousel

Instructions:

- ✧ Move to your first station (Green Cities, Mental Health, Education, Creativity, or Healthcare).
- ✧ Read the case study at your station. With your group, discuss and note down:
 - ✧ What problem is being solved?
 - ✧ What can AI do today in this area?
 - ✧ What new ideas are emerging?
 - ✧ What might be possible by 2050?
 - ✧ Who benefits from this technology?
- ✧ When the timer goes off, rotate to the next station and repeat. Try to spot patterns:
 - ✧ How does AI improve over time?
 - ✧ What makes these futures hopeful?

Task: Explore How AI Evolves - your ideas!

Instructions:

- ★ Use the “Today → Emerging → 2050” framework to think about how technology changes over time.
- ★ Look at the examples of AI today and think what you saw in the case studies (chatbots, image generators, AI medical tools).
- ★ Check the “emerging” examples (AI that predicts illness, smart energy systems, emotion detection).
- ★ Now imagine the next step — 2050: If these trends continue, what might be possible? How could AI help people, communities, or the planet?
- ★ Discuss with your group:
 - ★ What feels realistic?
 - ★ What seems exciting?
 - ★ What challenges might it help solve?

Activity: Challenge + Capability Cards

In this activity, you'll design a 2025 solution by selecting a challenge and envisioning how AI can help us tackle it over time. Get creative!

Instructions:

★ Get your cards:

- ★ 1 Challenge Card (e.g., Clean Energy, Mental Health, Fair Communities).
- ★ 2–3 AI Capability Cards (e.g., Robotics, Machine Learning, NLP).

★ Your task:

- ★ Combine your cards to invent a positive AI solution for 2050.
- ★ Use the Today → Emerging → 2050 framework to guide your idea:
 - ★ Today: What can AI already do related to your challenge?
 - ★ Emerging: What new tools or trends are developing?
 - ★ 2050: What could AI realistically help people or the planet do?

★ Discuss as a team:

- ★ What problem are you solving?
- ★ Who benefits from your idea?
- ★ How is your future hopeful, fair, and inclusive?

★ Prepare a short pitch:

"In 2050, AI has helped us solve ____ by ____."

Present Your 2050 Idea!

In this engaging activity, students share their visions of how AI will address global challenges by 2050, fostering creativity and critical thinking about future possibilities.



One Hope for 2050

As we envision the future, AI has the potential to enhance our daily lives significantly, addressing challenges and improving overall well-being in ways we can only imagine today.

