Hour of AI
Mix & Move with AI

Educator's Guide

Quick Start Guide

What is the Hour of AI?

AI is already reshaping how we learn, work, and live. Too often, students use AI without understanding how it works, how to use it responsibly, or how to shape what's next.

The Hour of AI is a global movement, building on the success of the Hour of Code, that helps students of all ages take their first step from watchers to creators.

In one hour, your class will explore how AI can generate images, music, and dance while reflecting on how this technology impacts the world.

Because the future isn't something we wait for. It's something we build - together.

1

Get Ready

- Watch the 5 minute Teacher Prep Video.
- Try out the student activity on your own.

Optional: Set up your classroom to track student progress.

2

Run the Activity

Students will use AI to:

- Generate a new dance character for the party.
- Generate code for the music.
- Generate code for dance moves during the party.

The teacher's role is to encourage creativity, reassure students there are no wrong answers, and keep the class moving.

Optional: Use the Slide Deck to help frame the lesson.

3

Celebrate & Share

Print student certificates. Have students showcase their projects in class and at home.

Optional: Share on social media using #HourOfAI

Lesson Walkthrough

Hour of AI – Mix & Move with AI

Lesson Objectives

- Create dance characters and code for a music mix with the help of AI.
- Explain how AI can generate new ideas, images, or code based on what it has learned.
- Use your judgement to decide what AI generated code and images to keep.

Lesson Tips

- **Set the tone early**: Remind students this is about exploring and having fun, not perfection.
- **Normalize curiosity**: If AI outputs look strange, ask "Why do you think it did that?" instead of treating it as a mistake.
- **Encourage sharing**: Let students swap laptops or show each other outputs—it builds excitement and lowers barriers.

Set Up

🎧 Headphones Recommended 🎧

1. Provide each student, or pair of students, with an Internet accessible device (iPad okay).
2. Send students the **activity page**.

Additional Optional Steps

- **Set up your classroom** on Code.org and assign the activity to students.
- Make a copy of the customizable **Slide Deck**.

Key Resources

- **Lesson Plan**
- **Slide Deck**
- **Teacher Prep Video**
- **Hour of AI** Webpage

Want to learn more about AI?

- **How AI Works** Video Series
- **AI 101 for Educators**
- **TeachAI** Literacy Framework

Discussion Questions

Before the Activity

- Where have you seen or used AI before?
- If AI could help you create a song, what would you want it to sound like?
- How do you think AI “learns” new things?
- What’s something you’re curious about when it comes to AI?

During the Activity

- What are you changing in the prompt and how does it effect what the AI generates?
- What have you done to change or modify what the code the AI generated?
- What choices are you making as the creator right now?
- If you could make the output different, what would you change?

After the Activity

- What was your favorite thing you created today?
- What surprised you most about what the AI made?
- What did you add that made your project unique?
- How would you explain AI in your own words?

Differentiation Strategies

Every classroom has a range of learners. Here are ways to adapt Mix & Move with AI for all students:

Elementary School:

- Focus on the “fun” parts such as generating the perfect dancer.
- Minimize code editing. Encourage students to try changing one block!
- Encourage informal sharing across students.

Middle School:

- Guide students in modifying simple blocks of AI-generated code.
- Highlight cause-and-effect (change one block, hear/see the result).

High School:

- Encourage more complex modifications and remixes.
- Facilitate ethical discussions (e.g., bias in AI, creative ownership).
- Connect to real-world AI applications in art, music, or society.

By Readiness/Confidence

- Hesitant students: Offer more guided prompts and examples; let them work with a buddy.
- Confident/advanced students: Give extension challenges (e.g., “Try making a second remix” or “How could you modify the code to change the vibe?”).

Cross-Curriculum Connections

- Computer Science – Students see how algorithms and data drive AI tools, building foundational computational thinking skills.
- Music – By generating and modifying songs, students explore rhythm, sequencing, and creative expression through sound.
- Visual Arts – AI-generated images spark discussions about creativity, design, and how technology influences artistic practice.
- Social Studies – Class discussions about responsible AI use encourage critical thinking about society technology, and the future.

Key Lesson Vocabulary

artificial intelligence (AI)	a technology that mimics human intelligence, performing tasks such as understanding language, recognizing patterns, and making decisions
prompt	the instruction or question you give to AI that tell it what to do
generate	to make or create something
code	a set of instructions that tells a computer what to do

Under the Hood

As a teacher, you may want to know that Music & Dance with AI doesn't connect to a live AI model. Instead, it uses cached (pre-generated) outputs, a choice made for three reasons:

- Performance & Reliability – Live AI in every classroom could cause slowdowns, glitches, or high costs. Cached results keep the activity smooth.
- Equity & Access – Pre-generated outputs ensure all students, even with older devices or low bandwidth, get the same quality experience.
- Safety & Consistency – Live AI can be unpredictable; curated outputs guarantee safe, age-appropriate, and still surprising results.

Though not live, the activity was designed to feel authentic to how AI works by:

- Non-Determinism – Drawing from many pre-generated options so results differ, just like AI.
- Creative Ownership – Students guide prompts and edit code, emphasizing their role as creators alongside AI.

The result is a safe, reliable, and accessible way for students to experience AI creation while still leaving them with a sense of agency, surprise, and wonder.

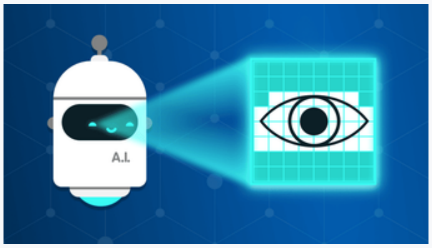
The images and code the students see when working through the activity were developed using a collaboration of AI tools and human designers. Thousands of images were generated and reviewed by the team!

Learn More about AI

Exploring commercial AI tools can build comfort, give authentic classroom examples, and help you think critically about their strengths and limits. Mix & Move with AI draws on two common model types.

Image Generation
Diffusion Models

Tools like DALL·E turn text prompts into images using diffusion, starting with random noise and refining it into a picture.



Trying these tools on your own shows how prompts, training data, and randomness shape outputs.

Code Generation
Large Language Models (LLMs)

Systems such as ChatGPT or GitHub Copilot generate and refine code by predicting the next word or token after training on a large amount of text.

Using LLMs reveals both their value (speed, suggestions, idea generation) and their limitations (errors, lack of true understanding).