



AI Adventures:
Exploring the World of Smart Machines
STUDENT GUIDE

LESSON 7

A Journey of Questions and Discoveries



**JA
Canada**

Member of
JA Worldwide

Lesson 7:

A Journey of Questions and Discoveries

OVERVIEW

Wow, you've been on an amazing adventure! In this final lesson, you'll look back at all the incredible things you've discovered about the world of AI and get ready for your final creative mission.



KNOWLEDGE CHECK

Place a check mark (✓) next to the correct answer.

1. Let's review! Which of these sentences is the **MOST** true about AI today?

- ☐ a) AI is mostly in science fiction movies and isn't part of our real lives yet.
- ☐ b) AI chatbots have real feelings and can become your best friend.
- ☐ c) AI never makes mistakes because it is a super-smart computer brain.
- ☐ d) AI is a smart helper that is already in our gadgets, like phones and computers.

2. After everything we've learned, what is the most important job for humans as we build the AI of the future?

- ☐ a) To make sure we teach AI to be fair, kind, and helpful for everyone.
- ☐ b) To make sure AI is really good at playing video games.
- ☐ c) To make sure AI can do all of our homework for us so we don't have to.
- ☐ d) To make sure AI only learns from one type of information so it doesn't get confused.

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REFLECTION ACTIVITY: AI STORY CREATORS

Mission:

Write a short story (it can be just a few sentences!) about a day in the life of a future AI helper.



PART 1: PLAN YOUR STORY

1. Who is your AI character?

What is its name and job? What does it look like?

2. What adventure does it have?

Does it help someone? Solve a tricky problem? Discover something new?

3. What makes your AI a good helper?

Show how it uses its smarts to do something awesome.

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PART 2: DRAW YOUR STORY!

Use the comic strip panels below to bring your AI helper's adventure to life!

Panel 1: THE BEGINNING (E.g.: The Problem)

What's happening? _____

Panel 2: THE ADVENTURE (E.g.: The AI Helps)

What's happening? _____

Panel 3: THE HAPPY ENDING

What's happening? _____

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LESSON 7 ANSWER KEY

1. d

2. a



GLOSSARY

Artificial Intelligence (AI): A technology that gives computers and robots a 'brain' to think, learn and solve problems in a way similar to, but different from, the human brain.

Data: All the information (like pictures, words, and numbers) that we give to an AI to help it learn.

Chatbot: An AI-powered tool that can talk with people, answer questions, tell jokes, and help with everyday tasks.

Bias (in AI): An unfair leaning towards one thing over another. When an AI is biased, it makes unfair decisions because it learned from unfair data that wasn't complete or didn't include everyone.

Algorithm: A set of step-by-step instructions, like a recipe, that a computer follows to do a task, like picking the next video for you to watch.

Ethics: The rules or ideas that help us decide what is right and wrong. For AI, it means making sure it is used in a way that is fair, safe, and helpful to people.

