



# ARTIFICIAL INTELLIGENCE

# 6-8

FOR FAMILIES

**YOU ARE** your child's first teacher. Learn how to support the goals of Oklahoma's academic standards and why they are important to your child. Please be in regular communication with your child's teachers and ask how you can support the use of artificial intelligence in an appropriate manner. When schools and families work together as partners, your child experiences greater academic success!

## GRADES 6-8

### What to expect:

For middle school students, Artificial Intelligence (AI) learning should build upon foundational concepts while introducing more complex ideas related to data, algorithms, ethics, and real-world applications. Students at this level can engage in deeper discussions, critical thinking, and hands-on projects that enhance their understanding of AI's role in society.

### Learning goals:

- Describe how AI differs from human intelligence and identify real-world examples of AI in action.
- Debate AI's role in job automation, decision-making, privacy concerns, and misinformation.
- Discuss responsible AI development, fairness, transparency, and accountability in AI systems.
- Understand how AI collects, processes, and analyzes vast amounts of data to make predictions.

### What to do at home:

- Use platforms like [Google's Quick, Draw!](#) or [AI for Oceans](#) (Code.org) to show how AI learns from data and discuss how biases can form based on the information AI is trained with.
- Look at AI-generated images or videos together (using sites like [This Person Does Not Exist](#)) and challenge your child to identify real vs. fake content, discussing the impact of AI on media and trust.
- Use free tools like [Google's Teachable Machine](#) to train a simple AI model to recognize objects and sounds and talk about how AI 'learns' from examples.



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## Fostering Curiosity

Children are naturally curious and motivated to learn about things that interest them. Since curiosity helps students engage with new concepts, it is important to foster their sense of wonder about artificial intelligence. Encourage your child to ask questions, think creatively, explore how AI works, and discover its impact on the world.

Support your child's curiosity with questions like these:

- Where have you seen AI being used in your daily life? How do you think it works?
- If you could design your own AI-powered invention, what would it do?
- What do you think AI will be able to do in 10 years that it can't do today?
- Can AI think or be creative like humans? Why or why not?

Your child will likely have plenty of questions about AI. It is okay if you don't always have the answer! The best response is always, "Let's find out together."

## Fostering Communication

Help your child strengthen their communication and critical thinking skills by discussing artificial intelligence. Engaging in conversations about AI encourages them to explore different perspectives, articulate their ideas clearly, and consider both the benefits and challenges of this evolving technology. Understanding multiple viewpoints helps them develop empathy, confidence, and a deeper awareness of AI's role in society.

Support your child's ability to think critically and communicate effectively with AI-related discussion questions like these:

- Should AI be used to make important decisions, such as in healthcare or hiring? Why or why not?
- How do you think AI will change jobs and careers in the future?
- Can AI ever truly understand human emotions? Why or why not?
- If you could design an AI system to solve a global problem, what would it be and how would it work?

Encourage open-ended discussions and let your child explore these ideas creatively. If they ask a question you're unsure about, research it together—learning about AI is an ongoing journey!

## Fostering Comprehension

Understanding artificial intelligence requires strong comprehension skills as AI influences many aspects of our world. Encourage your child to explore AI-related books, articles, videos, or interactive tools to develop their critical thinking and curiosity about technology. Discussing AI topics together helps your child analyze information, ask thoughtful questions, and consider both the benefits and challenges of AI. Be a role model by exploring AI-related content and learning alongside your child.



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