



# ARTIFICIAL INTELLIGENCE

# K-2

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 K-2

### What to expect:

Even at a young age, children in grades K-2 may encounter artificial intelligence (AI) in games, apps, and smart devices. This guide will help you understand how they are beginning to interact with AI and provide simple ways to support their learning. Encouraging curiosity and safe technology use now will help build a strong foundation for responsible AI awareness as they grow.

### Learning goals:

- Recognize and name examples of AI in common devices, such as voice assistants, smart toys, and game recommendations.
- Explore how AI can recognize pictures, voices, or patterns by interacting with simple AI-powered tools or games.
- Discuss how AI can follow instructions and learn from data, but it does not think or feel like a person.
- Learn how to interact responsibly with AI-powered devices, including asking permission before using technology and understanding that AI may not always provide correct information.

### What to do at home:

- Talk to a Voice Assistant – Let your child ask a voice assistant fun questions (e.g., "What's the weather?" or "Tell me a joke"), then discuss how the AI understands and responds. Talk about when it's okay or not okay to use AI.
- Spot AI in Your Home – Walk around the house with your child and find examples of AI, such as voice assistants (Alexa, Siri), smart TVs, or automated recommendations in apps. Ask, "How do you think this knows what to do?" to spark curiosity.
- Compare AI and Human Thinking – Discuss with your child how AI can follow instructions and learn from data, but it cannot think or have feelings like a person.



**OKLAHOMA**  
Education



# ARTIFICIAL INTELLIGENCE

FOR FAMILIES

## Fostering Curiosity

Children are naturally curious and love exploring the world around them. Since curiosity helps students learn and grow, families can encourage it at home—especially when it comes to understanding technology like artificial intelligence (AI). Encourage your child to ask questions, think creatively, and discover how AI is part of their daily life.

Support your child's curiosity with questions like these:

- Can you think of a toy or device that seems to "talk" or "think" like a person? How do you think it works?
- If you could invent a robot helper, what would it do?
- What do you think would happen if a smart speaker (like Alexa) didn't understand what you said? Why?

Your child will have plenty of questions about AI—and that's great! If you don't know an answer, the best response is always, "Let's find out together."

## Fostering Communication

Help your child develop strong communication skills by talking about artificial intelligence (AI) in a fun and engaging way. Discussing AI allows children to ask questions, share their ideas, and think about how technology helps people. These conversations also help them understand that different people may have different opinions about AI, building confidence and empathy.

Support your child's communication skills with AI-related questions like these:

- Can you think of a toy or device that "talks" or answers questions? How does it know what to say?
- Do you think AI can think like a person? Why or why not?
- What would happen if an AI helper made a mistake? How could we fix it?

Encourage your child to share their thoughts, and if they have questions, explore the answers together!

## Fostering Comprehension

AI can be used in engaging ways to support reading comprehension. Tools like Microsoft's Immersive Reader can read text aloud, define words, and generate summaries. Some AI tools can change the difficulty of a story or summarize it in a simpler way, making reading more fun and less frustrating. AI does not replace teachers or parents—it is just another tool. Think of AI like a calculator for reading—it helps kids build skills, but they still need to think, ask questions, and engage with books.



**OKLAHOMA**  
Education



# ARTIFICIAL INTELLIGENCE

# 3-5

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 3-5

### What to expect:

Children in grades 3-5 are likely already interacting with Artificial Intelligence (AI) in games, apps, and online. This guide will help you understand what they are learning about AI and how you can support them in understanding the ethical and appropriate use of AI.

### Learning goals:

- Explain what AI is and how it is different from human intelligence.
- Identify examples of AI in common devices (e.g., virtual assistants, recommendation systems, chatbots, and smart home devices).
- Explore the benefits and challenges AI brings to daily life, such as automation tools that use AI-powered virtual assistants, like Siri or Alexa, to set reminders, answer questions, or control smart home devices without human intervention. privacy concerns, and fairness.
- Explain how AI is used in different situations and for different purposes.
- Learn how to interact with AI safely and responsibly, recognizing its limitations and potential risks.

### What to do at home:

- Discuss how AI is used in the apps and websites your child uses.
- Ask open-ended questions like:
  - "How do you think Netflix knows what shows you might like?"
  - "Why do voice assistants sometimes misunderstand us?"
- Use [ChatGPT](#) and other AI chatbots together to explore how they respond to different questions.



**OKLAHOMA**  
Education





# ARTIFICIAL INTELLIGENCE

FOR FAMILIES

## Fostering Curiosity

Children are naturally curious and motivated to learn about things that interest them. AI is a fascinating topic that students are beginning to encounter in everyday life from voice assistants to fun apps. Play and exploration are wonderful ways to develop curiosity, so be sure to allow plenty of time for creative thinking and discovery. Encourage your child to ask questions, experiment with technology, and explore how AI works in the world.

Support your child's curiosity about AI with questions like these:

- What technology do you use every day? How do you think it works?
- Can you think of something AI helps people do? How does it make things easier or more fun?
- If you could invent a robot or smart assistant, what would it do?

Your child will have plenty of questions about AI. It is okay if you do not always have the answer. The best response is always, "Let's find out together." Look up information, try out AI-powered tools, and discuss the possibilities of technology in a way that sparks their imagination!

## Fostering Communication

Help your child develop strong communication skills, critical thinking, and curiosity by engaging in conversations about artificial intelligence. Encouraging discussions about AI allows children to explore different perspectives, ask questions, and express their ideas clearly. Understanding that there can be multiple viewpoints on a topic helps them build positive relationships, develop empathy, and strengthen their self-confidence.

Support your child's communication skills with AI-related questions like these:

- Do you think AI can be creative like humans? Why or why not?
- How do you think AI can help people? Can it ever cause problems?
- If you could teach an AI one thing, what would it be and why?

## Fostering Comprehension

AI can be used in engaging ways to support reading comprehension. Tools like Microsoft's Immersive Reader can read text aloud, define words, and generate summaries. Some AI tools can change the difficulty of a story or summarize it in a simpler way, making reading more fun and less frustrating. AI does not replace teachers or parents—it is just another tool. Think of AI like a calculator for reading—it helps kids build skills, but they still need to think, ask questions, and engage with books.



OKLAHOMA  
Education



# 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.



**OKLAHOMA**  
Education



# ARTIFICIAL INTELLIGENCE

FOR FAMILIES

## 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.



**OKLAHOMA**  
Education