In our ever-evolving world, artificial intelligence (AI) is playing an increasingly important role. To equip you and your student(s) for the future, we're excited to announce the launch of the *Lake Braddock AI Series for Caregivers*. Over the next few weeks, the New You Choose will provide you with accessible information about AI, its applications, and its potential activities. We hope through these snippets you will gain some knowledge to navigate this exciting new frontier alongside your child.

LB AI Series: Episode 1 - What is Artificial Intelligence?

Artificial intelligence is the term used to describe a special kind of computer program that mimics human behavior and can learn, adapt, and even "think" on its own. There are three main types of AI including machine learning, deep learning, and generative AI. Machine learning includes programs that perform simple tasks like classifying images, conducting spam filtering, and recommending products.

Try this: Which of the images show items that incorporate artificial intelligence (AI)?

Answer:
- ***Not AI:*** The calculator, electric toothbrush, and remote-control car are all controlled by the user and they cannot navigate autonomously.

- ***AI:*** Smart speakers use natural language processing to recognize your voice and interpret your voice commands. They also use machine learning to improve their performance by learning your routines and preferences. Smart vacuums use artificial intelligence to navigate your home more efficiently by mapping your floor plan, plan cleaning paths, avoid obstacles and recognize and react to objects. Smart thermostats, like Nest, learn your preferences by observing how you adjust the temperature over time.

Interactive ways to explore machine learning:
- [Train your own machine](#) to recognize images, sounds, or poses.

- [Quick, Draw!](#) See how increasing the data set helps this neural network recognize doodling.

🗣️ **Conversation starters for your family:**

- Have you ever played a game or used an app that was powered by AI? How could you tell?

- What are some ways you think AI could be used for good in the world? Are there any ways it could be used for bad?