Students: After reading "Connections," use information from the article to complete the matching activity below. Draw a line from the term on the left to its matching definition or fact on the right.

Instructions: Match the terms on the left with the definitions or facts on the right by drawing a line between the two.

Terms	Definitions
1. mechanical engineering	study of numbes, shapes and patterns
2. electrical engineering	assisted transmisson of signals
3. biomedical engineering	allows users to control appliances at home
4. physics	ability of a computer program to think and learn
5. mathematics	examines how objects are moved by forces
6. chemistry	studies manipulating and encoding information
7. mechanics	deals with chemical elements and compounds
8. computer science	explains how things love in space and time
9. artificial intelligence	study of medical equipment used in care
10. home automation	develops things that use electricity
12. Programming/telecommunications	applies mechanics and material science

The Nation's Favorite Fun Family Newspaper
Kidsville News! Brainworks Worksheet
February Enrichment Activities
Grades K-2

1. What is the relationship between robots, artificial intelligence and humans>

2. Describe some successful examples of artificially intelligent robots.

3. How are artificial intelligence and robotics used in the media?

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Kidsville News! Brainworks Worksheet
February Enrichment Activities
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Students: After reading "Wildville," write an adventure story about the Marine Corps Robotic Dog. Will the dog help save someone's life, uncover a spy or help avert an attack on our country? Be creative! If you need more room, turn this paper over and continue writing or add more pages. **Parents and teachers: Stories will vary.**

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Answer Key

Instructions: Match the terms on the left with the definitions or facts on the right by drawing a line between the two.

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Students: After reading "Around the World," answer the following questions in complete sentences.I f you need more space, you can use the back of this sheet.
Parents and teachers: The answers are below.

1. **What is the relationship between robots, artificial intelligence and humans?**

AI helps make robots more independent, giving them the tools to make "free decisions." The mission of artificially intelligent robots is to complement the work of humans and help people do their jobs better.

2. **Describe some successful examples of artificially intelligent robots.**

In 1997, Deep Blue, a high-tech AI program that was the first of many, became the first computer program to beat the chess world champion, Garry Kasparov. In 2011, IBM Watson beat the top two "Jeopardy!" players, Brad Rutter and Ken Jennings. Five years later, Google's AlphaGo beat top "Go" player Lee Sedol four out of five times.

3. **How are artificial intelligence and robotics used in the media?**

AI is used in movie streaming services like Netflix that provide you with recommendations of other shows to watch. Robotics is used on internet websites when chatbots, not humans, help answer your questions. AI also ranks websites in your search results when you "surf the web."

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Answer Key

Students: After reading "Wildville," write an adventure story the Marine Corps Robotic Dog. Will the dog help save someone's life, uncover a spy or help avert an attack on our country? Be creative! If you need more room, turn this paper over and continue writing or add more pages.
Parents and teachers: Stories will vary.