

Quest Through the Archives

Directions: After reading the article “The future of cars,” use the archives at www.sciencenews.org to answer these questions:

1. Search for an article discussing artificial intelligence and smart sensing. How are roboticists “embodying smarts in their creations”?
2. Search for an article that examines the need for cybersecurity. How can cyber attacks affect the functionality of technology?
3. Humans respond to the world in all sorts of ways that artificial intelligence doesn’t — at least not yet. Find an article that talks about how the brain reacts to fear. What does it say about the necessity of this reaction?

Responses to Quest Through the Archives

1. **Search for an article discussing artificial intelligence and smart sensing. How are roboticists “embodying smarts in their creations”?** Possible student response: Robots can use laser sensors to collect data and, using math, can compare collected data to stored maps of their surroundings. This technology allows robots to better sense what is going on around them. <https://www.sciencenews.org/article/artificial-intelligence-needs-smart-senses-be-useful>
2. **Search for an article that examines the need for cybersecurity. How can cyber attacks affect the functionality of technology?** Possible student response: Communication channels used for capturing images and video on certain cellphones can be hacked to attack a cellphone’s battery. Hackers might turn on an idle phone and drain its battery power. <https://www.sciencenews.org/article/cyber-attack-depletes-cell-phone-batteries>
3. **Humans respond to the world in all sorts of ways that artificial intelligence doesn’t – at least not yet. Find an article that talks about how the brain reacts to fear. What does it say about the necessity of this reaction?** Possible student response: “Infant brains have powerful reactions to fear” discusses the idea that the network of nerves in humans that let us respond to external stimuli is essential to survival. <https://www.sciencenews.org/article/infant-brains-have-powerful-reactions-fear>