Artificial Intelligence

❏ **1.** What is artificial intelligence?

_____

_____

_____

❏ **2.** On your own or with a group, develop a chart board that outlines a brief history of artificial intelligence. Prepare and give an oral presentation on your activity.

  Date completed _____

❏ **3.** What is the ultimate goal of artificial intelligence research?

_____

_____

_____

❏ **4.** What is an android?

_____

_____

_____

❏ **5.** With regard to the field of artificial intelligence, be able to define the following terms.
  a. General intelligence

_____

_____

  b. Social intelligence

_____

_____

  c. Creativity

_____

_____

d. Learning

_____

_____

e. Motion

_____

_____

f. Planning

_____

_____

g. Perception

_____

_____

h. Heuristic

_____

_____

i. Pattern recognition

_____

_____

j. Neural network

_____

_____

k. Natural language processing

_____

_____

l. Knowledge engineering

_____

_____

❏ **6.** Give three real world examples of how artificial intelligence is used to help society.

    1. _____

    2. _____

    3. _____

❏ **7.** What are some of the limitations to artificial intelligence? Be able to explain at least three.

    1. _____

    _____

    2. _____

    _____

    3. _____

    _____

❏ **8.** What are some basic human abilities that artificial intelligence cannot exhibit?

    _____

    _____

    _____

❏ **9.** Give a basic definition of an expert system.

    _____

    _____

    _____

❏ **10.** What are some of the advantages of an expert system?

    _____

    _____

    _____

❏ **11.** Give a real world example of how an expert system is used in society.

    _____

    _____

    _____

❏ **12.** On your own or with a group, discuss the importance of artificial intelligence and the role it plays in society. Prepare and give an oral presentation on your findings.

Date completed _____

❏ **13.** Based on your observations from the previous question, visit a location that has applied the use of artificial intelligence. Prepare and give an oral presentation on your activity.

Date completed _____

❏ **14.** Discuss with a group several biblical passages that talk about human intelligence. Compare and contrast modern artificial intelligence with the intelligence God gave his created beings. Some texts include: Genesis 1:26, 27; Psalm 139; and Psalm 8:3-6.

Date completed _____