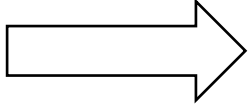
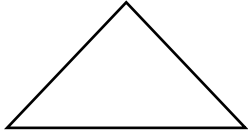


TEXT ANNOTATION

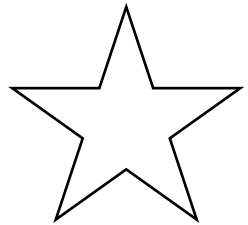
Use the following directions to annotate each of the texts in this journal.



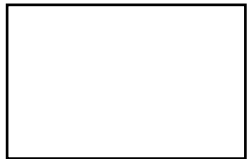
Draw an arrow pointing at any words, phrases, or paragraphs that help the reader identify something new about the topic presented.



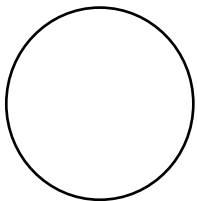
Draw a triangle next to or around any words you do not know. Then, look up the definition of the word. Write it in the margin or in your notes for future reference.



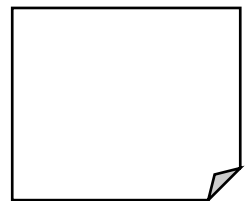
Draw a star next to any significant quotes. In the margin or in your notes, write WHY you believe the quote is significant to the passage.



Draw a rectangle around the part of the passage that BEST represents the author's main idea. In the margin or in your notes, explain why.



Draw a circle around any use of figurative language. In the margin or in your notes, explain how the figurative language impacts the passage.



Place a sticky note next to any part of the passage that you do not understand. Write a specific question on the sticky note for class discussion.

HIGHLIGHT

Highlight ONE quote that stands out most to you. In the margin or in your notes, explain why this quote made such an impact on you.

UNDERLINE

Underline any EXAMPLES the author provides about the topic.

~~CROSS OUT~~

Cross out any information that is irrelevant to the topic, if any.

Autonomous VEHICLES

Autonomous or self-driving cars are currently getting an enormous amount of attention. Why? The Centers for Disease Control estimates 33,000 people die each year from auto accidents. This statistic does not account for all those who are injured during accidents. Speeding, driving under the influence of alcohol or drugs, texting, or distracted drivers seem to be the main cause of auto accidents. Proponents of the new self-driving car hope they can make these preventable.

Autonomous cars aren't that far in our future, but there is lots of debate over this futuristic movement. Will they increase or decrease our safety record?

So, what are some of the current thoughts on self-driving cars? Let's look at what are considered some of the benefits. Computers make ideal motorists. They use complicated algorithms to determine when and where a car needs to brake as well as countless other decisions. It's difficult to distract a computer, which is a sure advantage. Insurance and healthcare costs could reduce significantly with fewer accidents.

Other advantages are the time saved for the driver. Passengers can do something productive like reading, working, or chatting with others while on the trip. Optimistically, computers can "talk" to other cars to help unsnarl traffic and make the commute time shorter for travelers. Elderly and disabled people would have access to transportation. Police could spend their time more productively. That seems to be quite a list of reasons why self-driving cars are a promising idea.

Those opposed to the idea would say "wait a minute." This innovative technology is going to cost drivers exponentially more money. Currently, all the requirements for the computer total more than \$100,000. There will also be an economic impact for those making a living as drivers such as taxi, Uber, and delivery drivers. Also, who is responsible if there is an accident? Would it be the driver, the manufacturer, or the software developer?

The self-driving car relies on GPS. How often has that given inaccurate information to drivers in the past? Many people are simply skeptical about giving over their power to a computer. There still appears to be lots of questions that need answered before embracing the autonomous cars of the future.



Autonomous VEHICLES

Comprehension QUESTIONS

1. What is an autonomous vehicle?

2. According to the Centers for Disease Control how many people die each year in a self-driven auto accident?

3. What often causes these fatal self-driven car accidents?

4. According to the article, what are some advantages of an autonomous vehicle?

5. According to the article, what are some disadvantages to having an autonomous vehicle?

6. Autonomous vehicles rely on GPS for navigation. What are some things that can go wrong using a GPS?

Mini-PROJECT: DESIGN A CAR

DIRECTIONS: You've been given the opportunity to design your ideal autonomous vehicle for a local charity event. The contestant with the best design will have their model brought to life! To qualify, you must complete the following:

- Create a visual component
- Develop at least 10 unique features of the vehicle that do not already exist in vehicles today
- Design a driver's manual that explains the different features of the car in detail
- Explain why your autonomous vehicle design should be selected to win

