**Level 1 Eliza**

1. Research the “ELIZA Computer Therapist Program”. Summarize your answers to the following:
   1. What does the program do?
   2. When and why was the program created?
   3. How does the program work?
2. Eliza is a natural processing computer program that was created to help people express their feelings and thoughts.
3. The AI was created in 1964 to generate a conversation between a man and a machine.
4. The program works when you type whatever is on your mind and Eliza will respond accordingly follow the script that was coded to Eliza.
5. Use an online version of the ELIZA program to see what it is like.
   1. Open the URL: <http://psych.fullerton.edu/mbirnbaum/psych101/Eliza.htm>
   2. Begin by talking about your feelings (just like if you were talking to a guidance counselor).
   3. After a while, try to trick the program.
6. In what ways did the program seem like you were talking to a real person? What was a strategy used by the program to keep the discussion going?

Ways that Eliza felt like a real person is how she greets you, asks how you’re doing and etc. Ways to keep the conversation going is to answer whatever Eliza is telling you.

1. In what ways could you tell that it was not a real person? What were some of the weaknesses of the program?

Eliza did not feel like a real person after a while because you’d answer what Eliza is telling you but Eliza will keep on repeating herself taking away her authenticity.

1. If you had your friend talk to ELIZA but did not tell them it was a program, how long do you think it would take for them to figure it out? Explain your answer.

I believe it would take them two minutes and after it will feel like it doesn’t make sense for reasons such as repeating results, not giving actual results and, keep asing “tell me more”.

**Level 2 Turing Test**

1. Research the “Turing Test”. Summarize your answers to the following:
   1. What is the Turing Test?
   2. Who was Alan Turing?
   3. How does the Turing Test work?
2. The Turing test is a test of machines capability on whether it is an actual person or a computer.
3. Alan Turing was a British mathematician, computer scientist, logician, cryptanalyst, philosopher and theoretical biologist.
4. In the original imitation game test, Turing proposes A to be a computer. The computer pretends to be a woman and tricks the interrogator into making an incorrect evaluation.
5. Visit the Ted-Ed website to learn more about the Turing Test.
   1. Watch the video at <https://ed.ted.com/lessons/the-turing-test-can-a-computer-pass-for-a-human-alex-gendler>
   2. Complete the online test at <https://ed.ted.com/lessons/the-turing-test-can-a-computer-pass-for-a-human-alex-gendler#review>
6. Has any computer AI passed the Turing Test? Research this question and report on your results.  
   Computer AI Eugene was the first AI to pass the Turing Test.
7. Do you think that you have ever been fooled by an on-line computer AI program? Explain your answer.

I have not yet been fooled by an online computer AI program. Reasons include not ever encountering an AI bot that was smart enough and AI bots that were too obvious.

**Level 3 Article reviews**

Pick any two (2) out of the following four (4) articles to read and review. Answer the questions that are specific to each article.

Article 1: Social Media Bots

Read the following article:

<https://www.questia.com/magazine/1G1-530914703/social-media-bots-how-they-spread-misinformation>

1. How much internet traffic is estimated to be produced by AI bots?

It is reported that 30% of internet traffic are AI bots.

1. What are some strategies used by bots to appear more human?

Bots use hashtags, emojis that make them appear more human and feel more realistic.

1. How many social media accounts are estimated to be AI bots?

Twitter revealed that in 2017, 15% of its users were bots.

1. How easy is it for a user to detect that they have been “friended” by a social media AI bot?

Article 2: Social Media Bots

Read the following article:

<https://www.usnews.com/news/healthiest-communities/articles/2018-07-24/how-social-media-bots-could-compromise-public-health>

1. How many social media accounts are estimated to be AI bots?

The estimate of the number of AI bots in social media are in the tens of millions

1. What is the purpose/objective of these AI bots?

They can be used to spread misleading or to spread false information with intent of influencing how people think or act, and they're relatively simple to make money or they exist so people can buy followers to gain they’re following.

1. How could a bot be used to increase the number of people vaping or smoking?

A bot can spread false information on how vaping/smoking is safe and etc.

1. How could a bot be used to increase the public concern about getting vaccinated?

A bot used and created false news about vaccines being dangerous and people have felt for it.

1. What is a “sockpuppet”?

A sockpuppet is a fake account ran and managed by a real person.

Article 3: Automated Journalism

Read the following article:

<https://www.bbc.com/news/business-42858174>

1. What are some of the topics of the articles produced by the robo-journalists owned by the Press Association (PA)? How long and how detailed are these articles?
2. “At this stage” what are the limitations of robo-journalists? What jobs do human journalists do that cannot yet be done by robo-journalists?
3. What happened when the LA Times used a robo-journalist to report on an earthquake?
4. What are some of the “easier” tasks that robo-journalists are used to produce articles for?
5. Do you think this article was written by a robo-journalist? Explain your answer by giving examples of both why and why not.

Article 4: Automated Journalism

Read the following article:

<https://digiday.com/media/washington-posts-robot-reporter-published-500-articles-last-year/>

1. What is the name of the Washington Post’s robo-journalist and what was its first assignment?
2. How can robo-reporting expand the audience for newspapers?
3. How can robo-reporting help human journalists?
4. Are smaller news organizations using robo-reporting? What are the benefits to smaller organizations?
5. Do you think this article was written by a robo-reporter? Explain your answer by giving examples of both why and why not.

**Level 4 Will Artificial Intelligence Take My Job (SOP)**

To prepare for the final summative you should reflect on how artificial intelligence may impact the future job market. (i.e. The jobs and careers that will be available when you graduate.)

Write two Supported Opinion Paragraphs for two job topics as follows:

1. Select two topics from the list of jobs below. If you have an idea for another job please clear it with Mr. Nestor before your proceed.

2. Write a Supported Opinion Paragraph for each job topic

a. The question to be answered is “Will Artificial Intelligence Take My Job”

b. Some themes to consider are:

i. Describe your job as it currently exists (or as it is traditionally). Focus on details that could be automated.

ii. Provide some examples of how your job can be (or has been) changed by computer technology in general.

iii. Provide some examples of how your job can be (or has been) changed by artificial intelligence specifically.

iv. Describe your job as it will exist in the future as it changes due to computer technology.

v. What education will be required to do this job more effectively

3. Read the following articles to get some ideas about what you should include in your SOP.

https://www.forbes.com/sites/forbestechcouncil/2018/02/26/artificial-intelligence-will-take-your-job-what-you-can-do-today-to-protect-it-tomorrow/#430f57bf4f27

https://www.forbes.com/sites/theyec/2018/07/06/do-you-fear-artificial-intelligence-will-take-your-job/#7fb127a611aa

4. Guidelines for writing a supported opinion paragraph (SOP)

• http://schools.peelschools.org/sec/fletchersmeadow/studentlife/OSSLTprep/Documents/Sample\_%20Writing%20a%20Supported%20opinion%20paragraph.pdf

Job Topic Suggestions:

Truck Driver Taxi Driver Delivery Person

Store Checkout Clerk Restaurant Cook / Waiter Retail Sales Person

Real Estate Agent Financial Advisor Bank Teller

Family Doctor Medical Specialist / Surgeon Fitness Instructor

Artist TV / Radio Personality Actor

**Will AI Take My Job?**

A truck driver is a person who drives a truck for a living, but that may no longer be the case as AI will replace truck drivers near in the future. AI will replace truck driving due to new technologies and the rising popularities of AI. New technologies and improvements to safe driving are featured into cars each year. A new but a very famous feature would be the self driving feature. The self driving feature takes control of the car and takes you from point A to point B. The self driving system will eventually be implemented on trucks and the demand of truck drivers will drop as their presence will not have much use. AI will replace truck drivers as the popularity of self driving cars will rise. This will lead companies to buy self driving trucks as it will save them a lot of money and eventually replacing truck drivers a whole. AI will replace truck drivers because of new technologies and the popularities of AI.

The job of a cashier is important essential when needed to purchase goods and items. But like other jobs, the store checkout clerk job will also be replaced by Artificial Intelligence within a decade. AI will replace cashiers as self checkout systems have already been implemented and the benefits an establishment will make from replacing cashiers. To begin with, self checkout stations have already been set in may establishments and are successful. Many corporations like Walmart and Mcdonalds have self checkout systems that are quite successful. You can walk into either of the stores and find yourself seeing a bigger line at the self checkout line then at the actual cashiers’. Since people resort to using self checkouts more, corporations would want to use it and overall replacing cashiers. To add on, establishments would save millions in dollars when self checkouts are fully implemented and as corporations are always trying to save money, investing in self checkouts will be a necessity. Cashiers will be replaced by AI due to its rising popularities and as this would largely save a lot of money for corporations.