



2022 NJ TSA HIGH SCHOOL TOPICS/DESIGN PROBLEMS February 24-March 1, 2022

SUBMISSION DIRECTIONS:

Completed entries for the below events must be emailed to tsachall@tcnj.edu. The email subject line must contain the title of the event, and the Individual or Team ID#s.

The ID#s are STATE CONFERENCE ID#s that are automatically assigned when advisors register students for the State Conference. A high school Individual ID# is 7 digits and begins with 2. For example, ID# 2345678.

Team ID#s may be used for Team events. A Team ID# is the first four numbers of students' individual ID#s (e.g. ID# 2345). If there are multiple teams from one chapter for the same event, include which team students are on. For example, 2345-1, 2345-2, etc.

Debating Technological Issues

Topic: Americans rely daily on the internet for information, education, and social media.

Subtopic: Remote learning for K-12 education.

Entry submitted via email to tsachall@tcnj.edu due by 5pm on March 1, 2022.

Essays on Technology

The End of Cash?

Prompt

Paying by cash or check for routine business transactions has been declining for a number of years. The use of electronic payments further accelerated at the beginning of the pandemic, since many people were reluctant to handle bills and coins. Debit cards are popular and there are several popular apps that make it easy to transfer funds among friends. Thinking ahead, how will you be paying your bills five years from now? Identify positive and negative impacts of the changes you expect.

Articles

Fact check: A cashless society isn't imminent and wouldn't mean total end of cash

<https://www.usatoday.com/story/news/factcheck/2020/07/27/fact-check-cashless-society-isnt-imminent-wouldnt-eliminate-cash/5415027002/>

Sweden's Push to Get Rid of Cash Has Some Saying, 'Not So Fast'

<https://www.nytimes.com/2018/11/21/business/sweden-cashless-society.html>

Note: Some students have reported difficulty accessing the New York Times article because a subscription may be required. Here is a similar article:

Sweden's Cashless Experiment: Is It Too Much Too Fast?

<https://www.npr.org/2019/02/11/691334123/swedens-cashless-experiment-is-it-too-much-too-fast>

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Extemporaneous Speech – DUE SAME DAY- February 24, 2022 at 6:00 PM

Think about what you believe are the top three inventions of all time, and why they are so important?

On Demand Video

Augmented Reality

Virtual reality (VR) and augmented reality (AR) are related but not the same. Virtual reality refers to a simulated experience that can be similar to, or different from, something that is real. Most people are familiar with virtual reality from using or watching others play video games. Virtual reality is also useful for training pilots to fly, and training medical personnel to care for patients.

Augmented reality (AR) is a special type of virtual reality that combines real and virtual worlds. The use of AR is rapidly increasing and although many students have heard of augmented reality, most do not fully understand it.

Your challenge is to produce a 60 second video that explains AR using an example that will be of interest to high school students.

Required Props: At least 2 of the following:

- A computer generated and narrated explanation;
- Whiteboard text and/or drawings
- A computer-generated poster about AR

Required Line of Dialogue:

“Augmented reality is often referred to as AR and

Deadline:

The video and documentation must be emailed to tsachall@tcnj.edu by 5pm on March 1, 2022.

Prepared Presentation

Topic: Explore the Possibilities.

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