

DAY-4 23rd March

“Technology & Social Innovation”

Group: **T**

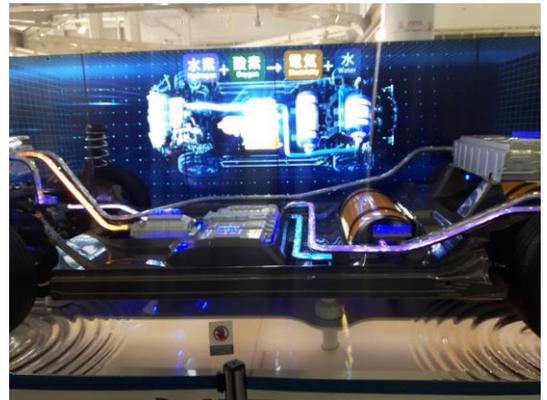
The Vision: “The Asia in 2040”

By 2040, we will be strong Asian region working well as partners based on our identities and diversities, and through modern technologies, build and sustain environments and communities.



Related to the Vision

- Hydrogen fueled cars → Sustainable environment
- Virtual reality & Hologram → New types of Internet services for partnership
- Nuclear fusion → Lower impact compared to other nuclear power plan
- Superconductivity → Improvement of transportation



Other Unique Findings?

Youee: “The hydrogen car was so quiet and smooth while riding.”

Tatsuya: “The cup-carrying doll was so impressive.”

Kenny: “The electrostatic globe experience was fun.”

Anh: “I didn’t know the price of Hydrogen was that cheap, according to Mr. Ishibashi.”



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Group: **Y**

The Vision

To establish an Asian Community centered around efficiency, sustainability, inclusivity and cooperation that forwards the empowerment and protection of each person through advancements in education, medication, industry, technology and environmental conservation. This is the dream Team Y of TYCA 2017 dreamed of.



Related to the Vision

The vision we set up a day ago wasn't the best version we could possibly come up with. It was only after today's trip to the Hydrogen Museum, Toshiba Museum and the lecture of Dr. Ishibashi that our eyes were opened to the various aspects that our vision can cover and engage with. We were exposed to the reality of the every day person and the struggle of organizations and countries to cater to people on the ground while protecting the environment and thinking of long term effects. In our first program, we learned about how the hydrogen car, MIRAI, works and how it is not only eco-friendly but also very useful and efficient in real life. Furthermore, we saw first hand the potential of a "hydrogen society" and how it is both safe and efficient. At the end of the day, the speedy evolution of technology like the internet and every day appliances was explained to us, and through that we realized how much more our vision could achieve. That is how we added "the empowerment and protection of each person", "inclusivity", "technology" and "medication". We truly believe that if we focus on these specific fields, Asia will slowly become a better place for people to live in.

Other Unique Findings?

Naru: "It was interesting to know that hydrogen gas is made by electrolysis of water.."

Matti: "I like superconductors!"

Om: "Technologies change the way of life. FaceBook changes the way we love."

Sen: "Japanese kids are kawaii!!!"





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“Technology & Social Innovation”

Group: **C**

The Vision

Our vision is to achieve sustainable economic development through technological innovation and regional cooperation to provide a healthy, stable quality of life and a safe environment to live in harmony while embracing diversity. To make our world better, we need economic growth but this progress should be sustainable so that we can preserve our resources for the future generations. To do this, technological innovation is important as it makes our lives easier and more convenient. Strengthened relationships, partnerships, and organizations are essential too for we need to help one another to attain a better society – a community wherein everyone will be able to live in unity.

Related to the Vision

Today, the TYCA participants along with the organization’s staff visited Toyota Mega Web, Tokyo Hydrogen Museum, and TOSHIBA Science Museum. During the tour, group C learned the importance of technological innovations and just how fundamental Science and Technology is to produce better inventions and progress into a safer and more enhanced community. The members were also able to learn about the contributions that TOSHIBA has made in the past from the 19th century – steam engines, elevators, televisions, microwaves to the recent advancements they were able to accomplish – solar power plants, wind power plants, thermal power plants, ocean power plants, hydrogen cars and hybrid cars. In relation to this, Group C thought of future possible technologies that are likely to help solve their country’s problems hopefully by 2040. These suggestions include the nerve gear, 360 View Car, a water cleanser submarine, a volcano shield or barrier, a portable farming field, an auto-trash separation bin, an environmental disaster forecaster, a machine that can absorb carbon dioxide and an actual Baymax! With today’s activities, Group C realized and internalized how deep-seated the impact of industrial revolution is to our world.



Other Unique Findings?

- Neung** I think our vision, specifically, technology, can be achieved effortlessly as today, the innovations in the places we went to are already so far ahead.
- Dutch** The history we learned tells us the founder’s vision. I’m impressed with the history of TOSHIBA for never giving up and always developing their inventions.
- Tomoko** I think Japan recommended hydrogen systems because they are good for the environment. I hope to see a hydrogen-based society around the world.
- Yoshie** I felt the power of static electricity during a simulation. It was fantastic because I felt my hair stood up.
- Christine** You can change the world with the smart use of today’s Science and Technology.



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“Technology & Social Innovation”

Group: **A**

The Vision

*To create our society into a sustainable one and to provide our next generation with extraordinary technologies which are **cheaper, faster and better than what's is happening now.***

Related to the Vision

No one can deny that there's a *long timeline* in history of technology that is developing with high speed. We learnt about how to solve the requirement of energy with *renewable energy* and how to build *Hydrogen society*. Furthermore, electro magnetic technology plays a vital roles in invention of new incredible things.



Other Unique Findings?

Obito “I really enjoy the microscopic world of the semiconductor and I am keen interested in Information Technology.”

Saiki “Hydrogen car is really quiet.”

Satsuki “I learned that technology is important for our society because by using technology, we can aim for coexistence development and nature.”

An “The ocean Energy has already taken my attention and I wonder about how much this energy will be used in the future.”

Minh “It's really amazing technology dealing with FCVs(Fuel cell vehicles) to prefer for future.”