

DAY-4 22nd December**Technology & Social Innovation** Group: **T**

The Vision: Steady & Sustainable Society

1. Sustainability
2. Cooperation
3. Participation in exchange programs

Here are the reasons why this is important

1. Sustainability (includes the environment, productions, and education):
What we act on now will affect the future generations. This addresses the need of self-sufficiency to build a prosperous society. Taking into account long term requisites would enable us to protect ourselves from potential conundrums in the coming future
2. Cooperation:
To be aware of current affairs around the world. To cater to the need of financial capital for investing deals that would result in mutual benefits for the sides involved. Cooperation is also important in completing one another. Furthermore, cooperation is important to deepen the cultural understanding between each other
3. Participation in exchange programs:
To evoke global-mindedness from a young age. It is also important in building awareness of global issues. It can also help in improving communication skills to develop articulate skills and enhance information analysis.

Conviction and structurally planned actions to build towards sustainability, enhance cooperation, and actively participate in exchange programs are fundamental in developing a steady and sustainable society, leading to a more prosperous Asia.

Findings related to the Vision

Today's theme of technology and social innovation are two fundamental aspects in carrying out the Vision written above. The technology that were displayed in the Toshiba Science Museum as well as the infrastructural development we learned in JR East station were the epitome of our two visions of sustainability and cooperation. In Toshiba Science Museum, some of the technology that were open to public was extremely instrumental in building a sustainable society. Firstly, a renewable energy source and the technology to obtain it are decisive in building a stable and sustainable society – the source for energy are almost infinite and eco-friendly, which are crucial in sustaining a prolonged society. The Toshiba Science Museum had displayed so many of these – ranging from solar panels, tidal wave technology, hydroelectric technology, and so on. With regards to the vision of cooperation, infrastructural developments are extremely important, especially between developed and developing countries. Some developing countries, such as Malaysia, Brunei, and Indonesia, are in dire need of infrastructural improvements that would enhance the livelihood of the people. Furthermore, infrastructural developments can be utilized in order fulfill the environmental goals of each country. Especially in Indonesia, traffic and congestion in main roads are a huge problem, and it leads to a vast amount of excess carbon dioxide emission. In installing subway or railway systems or otherwise improving the infrastructure of transportation systems, it also minimizes the emission of carbon dioxide, in which it caters to the universal goal to enhance environmental conditions. Technology and social innovation are crucial in the realization of our visions.

Other Unique Findings?

Ayano: I was astonished to find that there are only four minutes in interval for transferring in Shinkansen.

Amirah: Surprised to find out that the first colored TV screen was seven inches

Ri E: I was surprised that by just paddling the bicycle, you can brew coffee.



Gibran: Pinning technology made it look like the object was afloat.



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Technology & Social Innovation

Group: **Y**

The Vision : Education to create peace

1. Communication
2. Using technology in a right way
3. Learn to share, learn to love

Here are the reason why this is important:

- Our characteristic was influenced by learning, so it is important to learn how to create peace
- Nowadays, violence can be created easily, so we should know how to use technology which we using everyday in a right way in order to create peace.
- To make a peaceful society, we need to understand diversity to be able to accept differences.
- If we share our knowledge with others people, we will have more peace and cooperation.

Findings related to the Vision

- If we learn to keep the good things in our life and change the bad things, we would make peace with our life.
- Children around the world should venture out to get knowledge for themselves to learn global society easily and to think deeply.
- If problem has been created by a person, it would have been solved by the same way either. And the way to end this loop is peace.
- Don't forget who you are, or where you came from. If not, you won't be a great person.
- I think about a lot of things. Some social media is very useful. That means, we can get many information. But, we can get to know about a person that haven't even meet us. I think, it is important to use social media in the right way.



Learning at Toshiba Science Museum



Riding shinkansen

Other Unique Finding?

- Hana** I found out that we should not forget our motivation and what thing that we will influence to other people.
- Kotone** Today, I know various technic and experience many things. I think if the technology is cheap, everybody will use it.
- Tul** I was amused with the technology that Japanese developed in the past, it was also fun to ride Shinkansen.
- Vanessa** If we make peace just like our friend, peace will never be a problem for everyone.
- Yukak** I found out that if we can use technology by using in the right way, we will be able to develop our live, and protect the environment like the Smart city in Toshiba Science Museum.



Waiting for the train



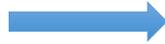
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Technology & Social Innovation

Group: **C**

The Vision: “Exploring the future of the Asia”

- Priority1. Education
- Priority2. Environment
- Priority3. Experience



3E



Here are the reasons why this is important;

- To influence young people which benefits society in the long-term.
- Growing population and industrial system are causes of numerous environmental issues today. To solve these environment changes we need to reduce carbon dioxide emissions.
- To experience different cultures ,lifestyles, religions, and values to understand other perspectives and intention, to keep them open-mind when they experience new things.

Findings related to the Vision

Today we learnt that ...

- There are many things that are familiar to us but we did not notice them in our daily lives. Just like when riding the Shinkansen, we do not realize its history or its mechanism which is important to know. With technology things are faster and cheaper, but are not readily available and is expensive to developing countries just like taking a CT scan in the developing nation.
- In the Toshiba Science Museum, we learnt more about the hydrogen car in depth through this experience. Through this we realized that education is important in letting us know about such important technology that can help us achieve our vision.
- The visit to the museum that showed us the evolution of different technologies allows us to gain knowledge on the negative aspects of those historical designs which will help us evaluate them. Therefore encouraging innovation and improvement to create a more efficient design to help our environment or lifestyle.
- From the Shinkansen we learnt that technology must be carefully managed in order to make sure that it continues to benefit us such as inspection the train, having counter measures and educating people.
- The advanced development of the Internet has benefits and disadvantages on our lifestyles. For instance, it can further widen our knowledge but at the same time the misuse of the Internet can cause people to be dependent. Therefore, you do not get innovative ideas which makes it important to educate people on the use of the Internet.

Other Unique Findings?

Gaby: “Failure is the mother of success” is something that made me think that I should put myself out there more often and seize the day.

Rei: I saw a power outlet which made me more interested in the mechanisms of technology.

Haruka: I have complex feelings about how the Shinkansen was developed because it was due to the war.

Xiang Ting: When using the internet we should think of what it should do and should not do.



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Technology&Social Innovation Group: A

The Vision: “Education: Applying Knowledge”

- 1, Education
2. Apply knowledge to solve problems (become critical thinkers)
3. Organize competitions which encourage people to solve problems
 - Provide people with the necessary knowledge to allow them to solve their problems so that they can lead a better life
 - Improve accessibility to education
 - e.g. create websites which teach the children of farmers how to increase crop yield.
 - Why education?: Education is the route to a better life because it makes people more employable and thus they can enjoy a higher income.
 - The reason why we did choose the problem “Apply knowledge to solve problems”?
 - Everyone has problems so we need to solve problems but some people don't know how to solve their problems so we need to help them to solve problems: e.g. Farmers → how to farm to increase crop yield

Findings related to the Vision

Many children gained knowledge through games and experiments in Science shows, such as the electrostatic generator. They did research beforehand and after the experiments, they applied their knowledge. People applied their knowledge to make many high-technology inventions which make our lives more comfortable and enjoyable. In the Science show, the commenter explained things slowly and clearly to the young children so that they could understand Science more easily. From their expressions, I could tell that they were really engaged! We hope that they will apply their knowledge in the future. I learnt that computer programmers applied knowledge to solve problems such as communication problems which existed last time because people could only call each other. However, nowadays, with the help of Facebook or Line, we could text each other instantly.



Shinkansen, Yokohama to Tokyo

Other Unique Findings?

Pair: I was very surprised to find out that the seats on Shinkansen could turn around!!!! :O

Zemin: I learnt that 0 means off and 1 means on.

Kento: I realized again that Internet has both good points and bad points. We have to be more considerate about it and use the Internet wisely.

Maki: I was impressed by an antique clock because it is still as beautiful as when it was made.