



Dongsung JOURNAL



Vol.4 Dongsung High School Press December 31. 2021

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Venus Hall



The opening ceremony of the Venus Hall with Cardinal Andrew YEOM Soo Jung

Congratulatory Message on the Publication of the Dongsung Journal



Congratulations on the publication of the 4th issue of the Dongsung Journal. The Dongsung Journal, one of the good traditions during the 110 years of Dongsung history, has finally come to light again after 25 years with the fourth publication, and I am very

happy about this as a graduate of Dongsung myself. I also deeply appreciate everyone who worked hard for this.

The world is changing rapidly now. Under the unprecedented phenomenon of the COVID-19 Pandemic and the banner of the Fourth Industrial

Revolution, the world order is being reorganized. In line with the trend of this era, we should also be reborn as a 'Dongsung' that fosters global talent with creative thoughts and an active pioneering spirit. But at the same time, we should not forget the providence of the Creator who created this land.

Dongsung is also a prestigious Catholic private school with a firm educational ideology of "training Humane leaders who serve with truth and love" through integrated education of both intelligence and personality. I hope that the Dongsung Journal will also become a medium to preserve and convey the values of Dongsung along with the changes of the times.

Under the ideology of love and truth, I would like to express my gratitude to all teachers, including the principal, who strive hard to cultivate younger students

with upright characters and excellent intelligence. I hope that every member in the Dongsung community will be reborn as a talented person who exerts his own abilities and has a good influence in each area. Also, I wish for the tremendous success and development of Dongsung and the Dongsung Journal in the future.

Thank you.

Jung Hong Sik
The 25th president of Dongsung alumni association

Special Thanks to

Hwang Moon Taek CEO, CheongYoon Tax Consulting Associates (Graduated in 1977)

Jo Eun Kee CEO / President, KYOCHON F&B CO. LTD (Graduated in 1982)

Anthony Thompson Teacher, Dongsung High School

Publisher Cho Young Kwan

Guidance Teacher Kim Byeong Yi

About Dongsung High School



Dongsung High School

Dongsung School in 1907 and 1923 (source: <https://www.dongsung.hs.kr/xe2/about/history.php>)

History of Dongsung High School

Dongsung High School, located in Hyehwa-dong was established on September 10, 1907 under the name of So Uihakgyo for education, two years after the Japan-Korea Treaty of 1905. Now it's been 114 years since the school was founded. Outside Seosomun Gate in Seoul, private community leaders, along with the school's will and strength, the school established a four-year elementary education institution. The co-founders were Min Kang, Park Tae-Yoon, Park Seung-Wan, Jang Gyeong-Kwan, Son Sang-Tae, Jeon Kyung-Hyun, Ji Seung-Wook, Song Jong-Woong and Na Ji-Hak. After the annexation of Korea to Japan, it was difficult to have a command of Korean in the school and Japanese police officers were guarding the school. Because of this, there were many problems in running the school. At that time, when he ran So Uihakgyo, the principal took over the Catholic Gyeongseong Maintenance Foundation in 1922 for stable school management and it became Korea's first Catholic school, and education was based on the Catholic educational philosophy "Veritas in Caritas", which means "Truth and Love" in Latin. This means that just as Jesus first loved humans and sacrificed for humans, we should pursue a holistic education that does not change over time, and live with excellent intelligence through truth and right personality through love, just as we practiced such love.

Dongsung High School's Education Philosophy

The ultimate goal of the school is to cultivate human leaders with future capabilities as the basis of the Catholic educational philosophy. It provides education to develop the community in the community school culture, has a clear educational philosophy that is faithful to the essence of education and in line with the spirit of the times, helps to develop individual students' talents and competencies through specialized curriculum management like the TR Program that helps you find your dreams and talents, and the club activities that you do what you like or volunteer activities. It helps the students improve their learning and creativity. Moreover students can enjoy a happy school life with DSPM, the program that researches about the happy school life and offers special classes by learning Catholic education and morality in Saenghwal Gwa Inseong class and through English N class, the students can advance their global talents. As a result Dongsung High School's ultimate goal is to realize education that maximizes students' growth possibility and potential, moving away from the shortsighted emphasis on university entrance.

About the Facilities of the School

In Dongsung High School there is not only great classrooms and teachers but also other great subsidiary facilities. For example, the brand new Saetbyeol-Gwan, which was completed in the present year, was created with the purpose of allowing students to study in a more pleasant environment and run special activities or clubs more practically. In the basement there are some classes that helps students do club activities more effectively, on the first floor, there is lounge to help students enjoy school life more comfortably, and the math classroom, there are many white boards all around the room to help many students solve the math questions together. On the second floor, there is an ICT class and terrace. In the ICT class, the students can search for information or watch Internet lectures, in the terrace the students can take a rest or watch a sports game playing on the school field or just chat together. On the third floor, there is a creative activity classroom, an art classroom, an instrument practice room so that students can participate in arts and physical activities. On the field the students can play whatever sports they want to do. In addition to that there is Jonggyo-Gwan where the students can engage in religious activities. There is also large study room for the students and Andrea-Gwan Byeolmaru dormitory in which students systematically practice goal-oriented self-directed learning to develop their educational background and improve brotherhood. The school also run the official school website, Youtube channel, social media for the provision of information and promotions.

by Song Won-Jun



The school field

2021 Dongsung High School TR Program



Source: <https://www.Dongsung.hs.kr/xe2/course/tr.php>

TR is an acronym of Talentum Repertus which means “discovery of talent” in Latin. In this program for the freshmen and sophomores, a Dongsung high school alumnus who is now a professor, school parents, teachers and the career professionals who have been successful are invited to operate systematic career programs which are congruent to the students’ individual career, major branch and improve professional understanding.

Students attend the program two classes at a time for 8 times so they can attend the program a total of 16 times at March 23, April 13, May 11, June 15, September 14, October 26, November 16 and December 14.

Students can apply for the program through Riroschool. Among the 27 various programs students can choose one of the programs which they are interested in and which is related to their individual career and major. To handle the case that someone could not attend the program which he wanted to, students can apply for 3 programs which they want to do.

The program established 27 programs, in various branches. For Economic management, there is Economic Debate and Businessman as an Occupation to share the opinions and to make the students run their own business in simulation. Students can use subjects in real life or develop their skills and think about it more creatively through English Reading Debate with the Native Teacher, Mathematical Thinking and Applying, Earth system Environment science and Advanced Science and Technology programs. The students can also prepare for the future career with “Yes, architecture, interesting convergence accident story”, “Physical Education career and Entrance

Examination”, “I want to be Welfare(We are living together)” and “Climate Crisis and Countermeasure and Opportunity”, the students can improve society. For literature, the students can improve their sense of literature and think about the stories with the programs “Current

Humanities and Future possibility of Humanities”, “Getting closer with Books” and “Reading the Movies.” The music programs to improve collaboration, learn and play with “Midi Composition” and “Musical Making” classes. Also there is a “Taekwondo class” and “Life of a Priest class” for Taekwondo student-athletes and preparatory Priest class students. And so on there are the programs that help the students to improve the skills of their hobbies and give some help to their future and now, like “I am a Gardener”, “Face of an Actor S.T.A.R”、“Sign Language Class”, “Health and Medical Treatment”, “AR content Production earning with Games”, “Basic Coding” and “Chemical engineering+Electricity” programs. As you can see there are the lot of a program established!

Through the TR program students can receive the help about technical understanding about their desired university major, prepare for a university entrance examination, reinforce links with the local community so that the students can search for the career and job safety and they can experience the job the-indirectly through the teacher or mentor. In addition due to the TR program students can improve and develop competence of career. Also the TR program can prepare students for the fourth industrial revolution and improve the power of self-directed career design.

The TR program is customized to each student, so try to

No.	Course Name	Instructor	Credits	Remarks
1	인문학의 현재와 미래 가능성	이수영	1.0	
2	직업으로서의 기업가정신 그 시작점	이수영	2.0	
3	나는 글쓰기 하고 싶다	김유미	2.0	
4	청소년자가 출판 프로젝트	이수영	1.0	
5	사회복지의 이해 (현재 일어나는 우리)	정남	1.0	
6	수업교실	박희영	1.0	
7	수학의 사고의 적용	정희영	1.0	
8	기후변화의 대응 방안 그리고 기후	한진	2.0	
9	복합재료	박관우	2.0	
10	예, 건축, 예쁜, 아름다운 디자인 이야기	황수영	2.0	
11	철학과목과 기술	최수영, 정희영	2.0	
12	공정기술	박수영	2.0	노조비 필수
13	직업으로 배우는 사서연습 제4차	김수영	2.0	필수교과, 2학년, 3학년, 4학년, 5학년, 6학년, 7학년, 8학년, 9학년, 10학년, 11학년, 12학년
14	반려동물심장	이수영	1.0	
15	나도 장문사다 (문예반)	정희영	1.0	
16	방송 + 연기	정희영	2.0	
17	의대학대(의대) 필수	이수영	2.0	의대학대(의대) 필수
18	유지할 제작기	이수영	1.0	제작비
19	배우의 얼굴 S.T.A.R	정희영	2.0	스튜디오, 촬영장, 조명
20	영화읽기	박희영	1.0	시청비
21	책속세상과 가치읽기	이수영	1.0	정보도서관
22	문화인교사와 함께하는 영어특수 프로그램	정희영	1.0	영어특수교실
23	경제포럼	이수영	1.0	2.0
24	사회의 삶(세상) 탐험	이수영	2.0	세상탐험
25	지구시스템환경과학자과정 탐험	이수영	2.0	지구과학실 1학년 20명
26	체육 진로 및 입시 준비반	이수영	1.0	1.0
27	태권도	이수영	1.0	태권도부 학생

take a class which you want and try to improve the personal competence about your career.

by Song Won-Jun

TR Class: Media Composition

Her name was Oh Soo-Kyung. It's been about 4 years since she gave a lecture at Dongsung high school.

At first she came to conduct the choir. Now she is giving a lesson for media composition and Orchestra. Before doing TR she has been acting as a freelance instructor and arranger. In TR she taught classical music before, but now she is teaching media compositions using a smartphone. In addition to teaching at Dongsung High School she is teaching music at other public institutions and schools.

TR is a free course but the reason why she teaching TR is that she was in a class called classical composition, and students showed interest in composing. In addition, there was an opinion that music should be combined by using smart devices, so it proceeded like this. To pan and prepare for TR classes it takes about a week and if there is a need to create more content, it takes at least 2~3 hours a

day. Currently, the creations made by TR have been in various genres of media composition. And using various genres in the creations. What she wants to emphasize in TR is not playing with a smartphone, but a future-oriented class that can be about making songs using smartphone devices. She will give a lesson in TR if there is still a class to teach TR next year.

The more active students participate, the higher her satisfaction level increases. Also she is satisfied when students voluntarily create new music sources and genres. Students will be satisfied with her TR lessons. What she wants to say to the students is that media composition is not just a composition class, but it is about developing creativity, sensitivity, and opportunities to know what genre I want to make through creative classes, and to develop myself inside.



<https://blog.daum.net/soon4545/699>

by Song Hyuk-June

English N class : Don't Just Think It is Useless!



Dongsung High School has an English N class, which is held once a week in the 1st and 2nd grades. With Mr. Thompson: a handsome native speaker, you learn the listening section of the textbook. Several topic-related questions are given during the class, and students answer them. They can earn a point for each answer, and each quarter, the top-scored students are exempted from the speaking tests. Some students may ask, "Why

do I have to take English N class? They are not helpful", "I'm not good at speaking English, so what should I do?" English N class has the following advantages.

First, students can develop their creativity and diverse perspectives. During class, students do not simply accept certain knowledge; but organize their own answers for each question. In this process, students can develop their creativity. What's more, they can listen to classmates' answers and get to know different thoughts. Students can improve their knowledge by looking at questions from various perspectives!

Second, students can improve their English conversation skills. Students in the class should basically answer with 'words'. They will have a brief speaking time with Mr. Thompson, and all conversations should be in English. In this process, students can develop their conversation skills. Most of us don't have many opportunities to speak with native speakers, so we may not know the exact pronunciation of some words. But we can overcome it through the

English N class!

Lastly, students can improve 'fundamental' English skills. English N class isn't a class to learn difficult and formal vocabulary but consists of a time to learn expressions commonly used by native speakers in everyday life. During the course of the class, students naturally become interested in 'English' itself: they can improve their 'fundamental' English skills by developing interest and hoping to learn

Of course, speaking in English or speaking in public can be overwhelming for some students. But through these three advantages of English N classes in such difficult situations, you can improve your fundamental English skills. Now, you know the reason for having English N class? Why don't you throw away your negative thoughts and try your best in a class?

by Park hyeok

Music When Studying : The Secret Inside

Do You Listen to Music When You Study?

Do you like listening to music? In the past, music could only be heard through a radio or a phonograph, so the time and place to listen to music were limited. However, these days, with the widespread of portable devices such as MP3 players and mobile phones, you can freely listen to your favorite music anytime, anywhere. When performing surgery, there is a case of playing music and playing it to patients. This is because pain and the part of the brain that accepts music are the same, so listening to music in the process of pain transmission reduces pain. Studies have shown that listening to your favorite music reduces the secretion of cortisol, a stress hormone, and produces substances that boost immunity. In addition, music makes your life rich in many ways, such as making you feel good, lowering blood pressure and your heart rate, and improving exercise endurance. This may be why there are many students who listen to music while studying. Maybe you've developed a habit of this. Then, will music you listen to while studying has a good or bad effect? Let's find out together today!

Is Listening to Music Really Helpful When Studying?

Is it really helpful to learn if you study while listening to music? Studies have shown that music improves children's reasoning ability, mathematics, and language skills, but there has been a lot of controversy over the accuracy of the study. However, the results of a new study on this were released in April 2020, drawing attention. The study, published by joint researchers at Baruch University and Rutgers University in the United States, found that listening to music while studying is a wise strategy for some students, but not for some. For students with calm personalities, music has been found to be helpful when studying. On the contrary, students who prefer external stimulation and are easily bored can have a worse learning effect if they study while listening to music. According to the American scientific journal *Scientific American*, researchers conducted research by comparing not only the nature of the experimental participants but also the difficulty of learning and the complexity of the music. Participants in the experiment went through personality tests used to determine the need for external stimulation. Since then, they have performed "easy cognitive tasks" such as finding the letter "A" in the word list and "slightly difficult cognitive tasks" such as remembering word

pairs. The researchers asked participants to perform two tasks under three conditions: no music, listening to simple music and listening to complex music. The complexity of the music was controlled by changing the number of instruments. Simple music included piano, string instruments, and synthesizers, and complex music added drums and bass to it. In the case of students who were found to need a lot of external stimulation as a result of the experiment, their task performance scores were similar or slightly lower regardless of the conditions of the music when solving easy cognitive tasks. However, when solving difficult cognitive tasks such as memorizing word pairs, the task performance score deteriorates for both simple and complex music. However, in the case of students with a low need for external stimulation, their scores generally tended to be higher when listening to music. In particular, it turns out that the score is slightly better when listening to complex music than simple music for easy tasks. Research results imply that there are significant personal differences in the impact of music on cognitive function. Therefore, broadcasting music collectively in classrooms or offices that require sophisticated cognitive functions may not be very efficient for all members because each person has different characteristics. In summary, those who are easily bored and seek external stimulation are advised not to listen to complex music with numerous instruments used, especially when doing work that demands attention. On the other hand, for those with a calm personality and low need for external stimulation, listening to music can be of considerable help when performing simple and routine tasks. However, the researchers warned that listening to music may not be very efficient even for people with little need for external stimulation when performing quite difficult cognitive tasks. This is because the difficult cognitive task applied to this study, that is, remembering word pairs, was only a moderate cognitive task, but the positive effect of music was significantly reduced when listening to complex music compared to easy cognitive tasks. In conclusion, you can listen to music when you study, but there are conditions. The lyrics of the music should not be immediately recognized in your head. In this situation, you are not studying, but listening to music, so in this case, you should turn off the music, completely block the surrounding noise, and focus only on the books given above. Because human brains can't multitask! Also, if you are about to take an exam, you



should not listen to any music. This is because you can't solve problems while listening to music as you do at home. When the test is imminent, it is best to train in the same way as the test environment. If you listen to music every day and suddenly hear the surrounding noise in your ears on the day of the test, you will feel strange and nervous.

What Kind of Music Should I Listen to When I Study?

Songs with many lyrics are not suitable for studying. Then, what kind of music is good to listen to when you study? The first is classical music or piano melody music. Since there are no lyrics, there is no distraction in concentration on the lyrics while studying. In addition, the calm piano melody has a mental and physical stability effect and can relieve stress about studying. Classical music is also widely used as prenatal music for fetuses because the beat of classical music is the same as a person's heart rate, which has a great effect on giving a sense of stability. Listen to piano music and classical music when solving math problems or studying subjects you are not confident in! The second is the low-Fi genre, also known as white noise. Low-Fi means Low Fidelity and refers to low-quality music, which is a genre mixed with ambient or white noise and has a constant frequency spectrum, so it is known to help improve concentration without disturbing study. It stimulates the brain by mixing natural sounds such as living noise, rain sound, and wave sound, increasing stability and concentration. White noise rarely interferes with studying because it is easy to get used to the ears, and rather effectively covers up the annoying surrounding noise.

by Park hyeok

What Virtual-currency Has Brought to Us

Have you ever heard of Virtual-currency? For the past half year, this virtual currency has been an issue across the globe. And it has led to many more issues. You might be wondering now why it has been an issue that led to many issues. I'll tell you why. To start with, we have to know what virtual-currency is.

The very first virtual-currency was made by Satoshi Nakamoto in 2009, using the technology called: 'Blockchain'. Blockchain is a scientific type of database that structures its data into chunks that are chained together. And it makes the currency safe and transparent. And the reason why this is such a big deal is that it has many positive effects and negative effects. These are the reasons why they are considered good. (followings do not apply to the digital-currencies that are used in the banks, but to the crypto-currencies. Those two are encompassed in a set of Virtual-currency)

Firstly, the currency's value fluctuates. Therefore, investors can make profits when the value increases. One YouTuber even referred to it as a "Money copier". Secondly, it is easy to cash in or you can use the money right away if you have the device. It's a much advanced

version of currencies we are using currently. People can use it wherever and whenever. Thirdly, everyone can issue money by mining (not literally, but by using computing devices). Fourthly, it can combine all the currencies we are using online.

However, even the moon has both sides. It also brought us innumerable negative effects. Firstly, remember that I told you it can be mined with computing devices? When mining, it requires lots and lots of graphic cards. While people buy the cards, the serving amounts are limited. So the prices of the products rise a lot. And graphic cards are one of the most essential parts when composing a computer. And when graphic cards are used, those complex computer parts emit heat. So, as the bigger the facility gets, the more fire hazardous it gets. Secondly, if you lose the entire device that also functions as a wallet of the currency, you might lose your entire fortune. And talking of devices, those who are less fortunate than the average and unable to afford those devices, cannot access the society of the currency. Thirdly, the investment market of the currency is overheated. And the investors are investing fanatically.

For example, the value of a crypto-currency called: 'Doge-coin' increased a lot because of a tweet from an ingenious entrepreneur named Elon Musk mentioning a dog. And since investors are investing fanatically, the value of the currency goes through the roof or drops and hits the stone cold bottom. Moreover, people whom which lost all their life savings are committing suicide.

However, the crux of the matter is that these currencies are not qualified as actual currencies because of its straws in the wind like value. Many countries except China, Russia and more are not recognizing these crypto-currencies as legitimate currencies. If we intend to take a step forward to Utopia along with these currencies. I reckon the governments should restrict the investments and make a limit and administrate it. And if we want to use these virtual-currencies like the currencies we use in contemporary times. We should make sure that nobody gets left behind.

Even though it has more cons than pros in this time.

We will find a way! We always have..

by Yun Ji-Hun

The Need to Bring AI to the Domestic Pharmaceutical Industry



Source: Urban Brush

Recently, the emergence of new diseases in modern society, including COVID-19 and various mental illnesses, has stressed the need for the pharmaceutical industry to adapt more quickly. As a

result, AI is being introduced into the pharmaceutical industry as the speed of pharmaceutical behavior is considered as important as its safety. However, there are concerns that these attempts still contain an element of anxiety due to the instability of AI. Can AI be properly applied to Korean pharmaceutical systems? And what would be the result if introduced?

Why Does AI Need to Be Adopted?

The advantages of introducing AI's pharmaceutical systems are very clear. The biggest advantage of introducing AI is the processing of big data through deep learning of AI (a branch of machine learning related to stratifying algorithms to understand data in more depth), which reduces the time it takes to find candidate substances for medicine manufacturing and get to the nonclinical stage. In order for a new drug to be released, it will first undergo basic research to discover drug candidates, preclinical tests to test their efficacy and safety in animals, and clinical trials to test efficacy and safety in normal people and patients. During this process, there is a prospect that AI's big data processing technology will be able to achieve it in a much shorter time, especially in discovering substances suspected of causing the disease by dealing with data on patients' symptoms. In fact, Pfizer and AstraZeneca, which have made their names known in Korea due to the development of the COVID-19 vaccine, were already using AI for pharmaceutical purposes. Daewoong Pharmaceutical, a Korean company, is said to have found a candidate substance for anti-cancer new drugs using AI along with A2A Pharma, a foreign company.

The Problems that Arise

Despite these clear advantages, some people say they feel uneasy about it. The first, problem that people raise is that there were other areas where AI was used that created ethical problems. It is well known that the AI chatbot "Tay," which was released by Microsoft in March 2016, used slang, and made sexual and racist remarks. In addition, Amazon's 2018 AI recruitment system, which manages the recruitment of workers, has discriminated against women because of the fact that many men were hired in the past. The reason for this problem is that AI is achieved through machine learning called deep learning, which is based on a large number of already existing data. They say that AI operates on the basis of a lot of data, and because it accepts such data itself without a filter, wrong data are sometimes applied, and it is not flexible enough to make ethically incorrect judgments. They argue that if they enter the pharmaceutical industry based on AI, they will not be able to respond flexibly to situations where they are going in the wrong direction.

Another issue raised is the issue of personal information leakage, which occurs when AI deals with data from many patients. If health and medical data for patients to be addressed in the pharmaceutical sector is leaked, there is a high risk which is why there is an anxiety about AI addressing this. For this reason, the government is not de-identifying or opening up the vast amount of health and medical data it has. Eventually, even if it is opened, there will be anxiety about personal information leakage, but if it is regulated, AI will not be able to utilize it properly and will be in a stalemate that will not help develop new drugs.

Solving Problems in Korea

Of course, there are definitely ethical problems that AI can cause. However, it is currently seen in many areas that the problem is trying to be solved. "The success or failure of AI models depends on data," said Lee Ji-Eun, chief technology officer at IBM Korea. "Without an "Information Architecture (IA), which acquires reliable information, refines it, and organizes it, proper

AI cannot come out," he said, urging the development of an information architecture that selects systematic data. In addition, the Korea Public Intelligence Ethics Association established the AI Ethics Charter and the government also provides guidelines to safely use AI ethics standards, which shows that AI is making efforts to select data used by AI in Korea and use it deliberately to prevent personal information. Based on these efforts, it is expected that the above problems will be solved. In addition, there is a potential change in the fact that the pharmaceutical industry using AI is not yet prepared compared to overseas. It is said that the government is also creating infrastructure through active investment by selecting 'Data, Network, and Artificial Intelligence (D.N.A)' as its core policy task in 2020. FinishIt is inevitable that AI will be applied to the pharmaceutical industry. The advantages of this can already be seen from the fact that it has already been achieved overseas. Of course, there may be risks in the process, but efforts are being made to address them, and they will improve through the development of engineering and health ethics. Today we are looking forward to the development of the pharmaceutical industry through the help of AI, which has learned the ethics that all human pharmacists cultivate.

by Shin Kyo-Won



Source: Samsung newsroom

Everything About Covid-19 Vaccines (Attention To Vaccination By High School Seniors)

Pt 1) Scientific Fundamental Facts about Corona Vaccines (Principles, Distribution Process In Korea, Side effects)

The COVID-19, which has hit the world since last year, has not been solved for quite a long time and has caused various health, social and economic problems. However, various pharmaceutical companies have introduced their vaccines this year, which could put an end to the various damage caused by the COVID-19. I was also given a group shot at school last week to prevent COVID-19 infections. Then, how does the COVID-19 vaccine introduced by various pharmaceutical companies work? And how are these distributed and administered in our country? The first thing to find out is how vaccines work against coronavirus. Types of vaccines include mRNA vaccines, protein subunit vaccines, and vector vaccines. The mRNA vaccine contains a COVID-19 substance that provides cells with instructions on virus-specific harmless protein production methods. Once our cells replicate this protein, they destroy genetic material in the vaccine. The body recognizes that the protein should not exist and makes T lymphocytes and B lymphocytes that remember how to fight the COVID-19-induced virus in the future. Protein subunit vaccines contain harmless proteins, not entire germs of the COVID-19-induced virus. When vaccinated and this protein fragment enters the body, the immune system recognizes that it is not a protein in the body, makes T lymphocytes and antibodies, remembers how to fight the COVID-19-induced virus, and prepares for future infections. Vector vaccines contain a variant of the virus, which is different from the COVID-19-causing virus. The modified virus shell contains the substance of the virus that causes COVID-19. This is called a virus vector. When the virus vector enters the cell, it instructs the genetic material to create a special protein corresponding to the COVID-19 induced virus. Using these guidelines, cells make copies of their proteins. This leads to the creation of T lymphocytes and B lymphocytes that will remember how to fight the virus in the event of future infection. Pfizer's product that we're going to fit is the mRNA vaccine. In Korea, the government has obtained Pfizer's new coronavirus vaccine through a vaccine exchange agreement with Israel. In the case of Pfizer, Pfizer's coronavirus vaccine must be stored at an ultra-low temperature of -95 to -60 degrees Celsius to maintain its effect with the mRNA vaccine, and pre-use process such as defrosting and dilution is required. Therefore, cold chain management of low temperature distribution is necessary. Anaphylaxis, which will come after receiving the vaccine, needs to be noted. Anaphylaxis means that the body overreacts to certain substances.



<https://www.docdocdoc.co.kr/news>

It is a serious allergic reaction that results in symptoms all over the body even if only a small amount of certain substances are contacted. There is usually an immediate response. Symptoms such as cough, chest pain, numbness in the mouth and hands and feet, tachycardia, rashes and vomiting appear within an hour after contacting the hypersensitivity reactants. In some cases, breathing difficulties, low blood pressure, loss of consciousness, etc. may result in death. To prepare for this, wait at the hospital for about 15 minutes after vaccine administration.



<https://m.health.chosun.com/svc>

Pt 2) Actual Students' Responses After Vaccination & Expectations And Concerns About The Educational Environment In The Future.

The coronavirus vaccination began on February 26, 2021 in South Korea, with more than 20 million people completing the primary vaccination by August. And starting July 19, the Pfizer vaccination started for high school seniors, school teachers and academy workers.

In the face of some expectations for quarantine and concerns over possible side effects, Dongsung High School was also subject to vaccination on Thursday, July 22, and the second vaccination on August 12, three weeks later. In addition to the aforementioned side effects of anaphylaxis, heart disease such as myocarditis and pericarditis has been reported as a side effect case in low-age groups, and the coronavirus itself is not a fully predictable drug, so there were many concerns as vaccinations progressed. In fact, one female student had difficulty breathing after the first vaccination and went to emergency treatment, and one male student had acute leukemia after the vaccination, although he was not sure of the exact cause and effect of the disease. Fortunately, there were no students with this kind of serious disease in our school, but each student showed various reactions.

Park Jae-Hyun, a third grader, replied, "After the first vaccine, there was no reaction of any side effects other than arm pain, but the second vaccine seemed to have caught the flu from the evening of the day of the vaccination, and left dizziness and arm pain until the weekend." On the contrary, Ro Hee-Joon, a senior, said, "In the first round of vaccination, I felt like I was losing strength in my whole body and had a headache, but in the second round, I didn't have as much pain as in the first round except for two days of dizziness." Each student had a certain level of side effects over a certain period of time, but fortunately, no more serious reactions occurred in our school, and we were able to successfully do our best to prevent the disease.



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This prevention of collective infections has helped create a safer college entrance exam environment and further reduce the anxiety of school classes. However, there are also many personal concerns behind these expectations. First, it's about whether we can be safe in the event of a mutated virus such as the current delta virus. Currently, the Ministry of Education said that even in the fourth phase of coronavirus, the highest level of quarantine, high schools are allowed to go to two-thirds of their students. However, with several breakthrough infections reported around the world to vaccinated people, I wonder if even third graders who have been vaccinated in this school environment will be safe in all future mutations, including delta mutations. Likewise, my second concern is whether students in other grades will be able to quarantine in this educational environment who are still uncertain about vaccination plans, and how to prevent coronavirus once it spreads in schools.

Clearly, vaccination against high school seniors can increase safety from Corona in school and ease the mental difficulties of students preparing for college entrance. However, as I said earlier, if the management of the surrounding quarantine environment is not properly established within certain standards, efforts to prevent such quarantine will be useless. Through the efforts of the Ministry of Education and schools, I hope that the day will come when all students can lower their fear of corona by a certain level through solid preparation such as rapid supply and inoculation of vaccines.

by Min Han-Seo & Shin Kyo-Won



<https://www.korea.kr/news>

Why is the World's Attention Focused on Myanmar? : A History of Myanmar's Efforts for Democracy & the Slowly Progressing International Relationships



<https://www.korea.kr/news>

From February 2, 2021 to the present, you've seen posts such as "Help Myanmar" or "I Support Myanmar" along with photos of soldiers shooting live ammunition at protesters, people shot, and asphalt with clearly seen bloodstains. What

happened to Myanmar? Why is the world suddenly paying attention to this country?

To find out the cause of this, it is necessary to look back on Myanmar's regime history. In Myanmar, Myanmar's military took power in a coup in 1962 and has continued its dictatorship for 53 years. At this time, the Constitution was even revised, automatically allocating 25 percent of all lawmakers seats to the military. Then, they created a state of emergency that was not even clear by the standards of the constitution, and if implemented, naturally led the president to hand over all power to the military commander. While the military seized the country and continued its dictatorship, Myanmar's people did not give up and continued to fight for democracy. Thousands of people were killed in the process. Eventually, after persistent resistance, free elections were held in 2015 and a

democratic government was established. However, the democratic government failed to revise the constitution again, which the military has ruined, and failed to extract the root of involvement of military in politics again (just as former South Korean President Kim Young-Sam eradicated all the remnants of dictatorship in the past). Eventually, when the ruling party won a landslide victory in the November election in 2020, the military declared a state of emergency (under the leadership of Min Aung Hlaing) by raising suspicions of election fraud, and came back to power, claiming that it was in charge of national sovereignty under the Constitution. They detained Aung San Suu Kyi, a state adviser, and staged a coup again. Angry citizens are again taking to the streets to protest against the military to protect their elected government by campaigning for civil disobedience, not fearing sacrifices. In response, the military is brandishing guns and suppressing citizens indiscriminately, trying to maintain their power through Internet and social media blocking.

So why is the international community unable to intervene in Myanmar? In fact, as everyone predicted, the reason is based on U.S.-China relations. When Myanmar suppressed democratic forces under military dictatorship, the United States, along with Western countries, continued economic sanctions, criticizing human rights abuses. At that time, China provided full support for Myanmar, including resources, infrastructure construction, and telecommunications facilities, and under international sanctions, Myanmar naturally relied on China. However, with continued

economic sanctions, Myanmar planned a policy to reduce its subordinate relations with China, and after the Saffron uprising in 2007, the military decided that it would no longer be possible to maintain its regime by ignoring the will of the people. Finally, in 2010, the general elections were held under the leadership of the military for the first time in 20 years, and the military took power again due to its maneuvering. However, then-President Thein Sein was quite progressive, accommodating a large number of people's demands, and Aung San Suu Kyi, detained during the 8888 uprising which was the biggest pro-democracy uprising, was also released from home custody and democratization began. In this trend, Myanmar received international attention as the 'last unexplored place in Southeast Asia'. They have been also engaged in tightrope diplomacy between the U.S. and China since then. Then, they invited President Obama in 2011 to improve relations with the United States, and were even promised to have economic sanctions lifted and receive investment from global companies. In addition, in 2015, the democratic government led by Aung San Suu Kyi was elected with overwhelming votes, and China's influence began to decline. However, the military and Chinese influence still existed, and the democratic government narrowly maintained their power. Myanmar's democracy and international relationships, which seemed to be slowly evolving through this process, however, faced a crisis again. This will be discussed in the following article.

by Min Han-Seo

The Attitude of the U.S and China to the Crisis of Myanmar & Why It is Difficult to Intervene Myanmar's Situation Internationally

The Last article covered the historical background of Myanmar's current coup. It also reported on Myanmar's development of international relations and changes in Myanmar's relations with the United States and China. However, Myanmar's international relations had been suffering even before the coup, which I would like to address in this article. In addition, I would like to examine the reasons why it is difficult to easily intervene in Myanmar and why Korea-related content is mentioned in Myanmar.

In 2016, the Rohingya people, who had been continuously discriminated against in Myanmar, attacked the police station. The government defined it as a terrorist attack by Islamic groups and carried out a military crackdown, which led to the massacre of civilians and arson of villages. The international community criticized it as a human rights suppression, but the government protested that it was an inevitable decision to protect the nation and faced economic sanctions from the international community again. In this situation, the military predicted that they would be elected in the upcoming general elections, but the opposite situation occurred in 2020 and a coup was launched in protest. China, which is close to the military, is indirectly helping the military with a positive stance on this change as Myanmar is an important gateway to the Indian Ocean and the key to expanding its power. For the United States, however, Myanmar is considered an important strategic point to prevent China from entering the ocean, and cooperating with them also affects the promotion of cooperation with the international community (including ASEAN).

Therefore, the U.S. is hoping that the democratic regime will regain power again.

If other countries suddenly attempt direct intervention in a situation where various international relations are intertwined based on U.S.-China relations, this could cause another international conflict. In addition, even if direct intervention is undertaken, it is a fact that there will be less gain compared to investment within the country. Therefore, due to such cruel interests and international relations, all of them have issued statements of condemnation, such as 'I condemn the coup and civil suppression of the Myanmar military', but no direct action has been shown. Of course, most countries, except China, Russia, Thailand, Pakistan, Bangladesh, Vietnam and Laos, are supporting democratic governments and pro-democracy protesters.

The Republic of Korea is especially mentioned in this case because Myanmar's pro-democracy movement closely resembles the June pro-democracy uprising in 1987 and the Gwangju pro-democracy movement in 1980, where we succeeded in democratization against past authoritarian governments. Surprisingly, the song "Marching for our Beloved," which is sung in honor of the May 18 Gwangju Democratization Movement, is being sung a lot within the protesters in Myanmar. They also asks for South Koreans' attention and help, along with the claim that "If we win, we will become South Korea, but if we lose, we will become North Korea." In response to their request, the South Korean National Assembly, the Embassy in Myanmar, the Foreign Ministry and the President issued a statement condemning dictatorship in Myanmar and calling

for the removal of Aung San Suu Kyi from custody. Lawmakers also issued a resolution condemning military coups and urging democracy to be restored and detainees to be released, while various private organizations, including pro-democracy groups, issued statements supporting Myanmar's citizens and criticizing the military. However, the Republic of Korea is also facing difficulties in direct intervention, such as military dispatch, for the reasons mentioned earlier, except for the relief of overseas Koreans, economic and material sanctions against the military regime. In particular, it is true that Korea is careful in every decision and word as both its relations with the United States and with China are important for diplomacy.

Coups and democratic movements in Myanmar in 2021 are divided into two forces, and humanitarian intervention is difficult unless certain countries directly intervene in certain forces. In other words, the power of citizens in Myanmar is more important than ever for democratization, just as the Republic of Korea toppled the dictatorship in 1987 because of the sacrifice of many people. Given that military dictatorship has rarely come to an end with a happy ending, and that clearly it is citizens who fundamentally form a nation, the military dictatorship that now stages a coup and slaughters citizens needs to accept the results of the vote and stop it for making peace in the country as soon as possible. It is almost the only way to achieve democratization with the power of citizens in Myanmar for now, but I hope they can win with the minimum sacrifice of innocent people.

by Min Han-Seo

Afganistan situation

Nowadays, news about Afghanistan is pouring through all kinds of media. The situation seems to be dangerous. Suddenly, it was a serious situation because the United States withdrew its troops from Afghanistan and the Taliban took over.

Even if The nation of Afganistan is not familiar to us, everyone has heard about Taliban. Do you know what the Taliban is? and How did the Taliban become a militant?

The Taliban are theological students studying Islamic doctrine. The Islamic seminary that is called a Taliban madrasa is mainly for the poor because accommodation is provided. And this seminary is run by individuals or communities, not states; people support it to nurture religious leaders. So why did theological students become political forces? It is because of America. In 1979, the Soviet Union invaded Afghanistan. As soon as the pro-Soviet regime collapsed, it invaded. The United States

began to cultivate small and medium-sized fighters using the experience of the Vietnam War as a mirror. Inside Afghanistan, weapons and money was provided mainly in Pakistan and the Soviet union was inside it was hard to support. At this time, Mujahedin (armed guerrilla) was formed. Osama bin Laden was one of the warriors who was trained at the time. In 1998 Al-Qaida was formed around the Mujahedin forces in Afghanistan.

On September 11, 2001, Al-Qaida, led by Islamic fundamentalist forces Osama bin Laden, caused the largest terrorist attack in human history. The Taliban refused to turn over the forces of Al-Qaida. So the United States attacked the Taliban's forces. But they failed to annihilate them. At that time they had focused all of their energy on the war in Iraq. Due to that the remnants of the Taliban survived and had an opportunity to revive.

Eventually, on February 29, 2020, in Doha, Qatar, the

"Doha Agreement" ended the 18-year long dispute. The agreement was between

the Taliban and the United States, not the Afghanistan government and the United States. In 2021, the complete withdrawal of the U.S. military from Afghanistan was decided under Joe Biden's regime, and by August, it had reached a situation that we all know. Afghans who know the form of ruling of the Taliban regime in the past are continuing to escape.

Recently, it reminds us of the civilian sacrifice during Myanmar's military coup. I feel great sadness and pain for the general public who are sacrificed by wars, dictatorships, and religions between countries. I sincerely hope that peace will arrive.

by Song Hyuk-June



<https://wspaper.org/article/23578>

<Demian>, A Book Report, Originally Written by Mr. Kim, School Librarian

"The bird fights its way out of the egg. The egg is the world. Who would be born first must destroy a world."

Everyone has a turning point in life. It is a point where one's values change or you establish a new view of life. When you find out a shocking new fact, saying that something so different from your thoughts is right, or when you feel a completely different reality from what you knew. At that time, people face 'turning points' in life. By facing change, a child becomes a boy and a boy becomes an adult. Everyone must have experienced that, but what I firmly believed in as a child was broken. When I believed that I should never tell a lie under any circumstances, I was late for school because my friend and I were helping an old lady on her way. Because of the fact that a notorious teacher that has a reputation of being fearful was on front gate duty, I was scared that the teacher might physically punish me. However, I assumed I was going to be fine since I was late while doing the right thing and approached the gate confidently. My friend who helped me acted as if he was late because he injured his leg, thinking the teacher would not let us be for such trivial reasons, being late for helping a person. I told the truth to the teacher because telling a lie was wrong. But, just like my friend said, though the teacher believed what I said, he told me that this wouldn't have happened if I had departed from my home earlier and physically punished me while my friend got away with this. After this event, my thoughts have changed and I believed that 'There are some times in this world when a lie is in necessity.' Henceforth, my world of good has fallen.

This book <Demian>, written by Hermann Hesse has a similar plot. The self-help protagonist of the author 'Sinclair' believed there is only a world of good under the happy family of caring parents and sisters. But, a boy named 'Franz Kromer' who lives in the world of evil emerges from the dark. Thinking that Franz might be a threat to his life, Sinclair tells a lie about him saying that he committed a theft. Franz, who heard about the lie, threatens him saying that he would tattle. And to stop that from happening, he slowly gets sucked into the world of evil. Breaking a piggy bank, deceiving his parents, and he finds himself feeling bad for reciting a false prayer. Gradually, he gets tired of his life.

At this part, Franz Kromer, has a similarity to a modern entrepreneur and despite that the chance that has been given to him is wrong, he's milking it as far as possible. And Sinclair is the one that gets exploited. It is the appearance of a modern person who has not overcome their current life and is living by accepting their situation. To this modern person, a chance of having a change occur is less likely to be possible. But,

in this story, a change in the circumstances is made because of a boy named Demian.

Demian, unlike his peers, has the mood of a grown up. Sinclair acknowledges him, but gets tired of his situation and never gets the time to think of him deeply. No different from one day, while heading to Franz Kromer, he encounters Demian, who says he will solve his problem. Dominated by fear, Sinclair strongly opposes his actions, but Demian soothes him by explaining to him the standards for good and evil through the story of Cain and Abel. The next day, Sinclair, who was walking on the market path, encounters Franz Kromer and is engulfed in fear, but somehow he avoids him first, and Sinclair feels joy that he is finally able to escape from the evil world, while feeling afraid of Demian, who was able to change his attitude overnight. Sinclair thinks he will be able to return perfectly to his world of good, since Franz Kromer was out of his way, but strangely, as days go by, the stories of Cain and Abel from Demian linger in his head, and the standards of good and evil continue to be thought in his head.

From a certain view, the teacher was somewhat of a Franz Kromer to me. Sinclair wandered in solitude and wandering. The benefits of lying and the guilt of it coexisted, and I still haven't come up with a solution to this. However, Sinclair achieves some degree of self-reflection through Beatrice who he met while wandering.

Sinclair starts to attend a Gymnasium and begins his dormitory life. While spending a day of pain of endless repeated wandering, he encounters a girl by the lake where he was passing by.

Sinclair secretly has a crush and even worships her at the appearance of the girl, who looks elegant, smart, mature, and arrogant. By setting up her figure, she opened up a sacred hall and made Sinclair become a prayer for the temple. As time passed, Sinclair became eager to rebuild in the ruins of his gradually collapsed life, and it went smoothly. But one day, he accidentally met Demian on the street and talked to him, and in that conversation, Sinclair doubts Demian because he doesn't want to be treated the same as before. As a result, he hurriedly leaves, and Sinclair, who caused that to happen, begins to reflect on his actions in regret. Eventually, Sinclair, who realized that Demian's words were all right, developed a firm thought and conveyed the conviction to Demian by expressing it in a picture.

People endlessly reflect on themselves. But most of my peers don't get an answer to it. It may be because there

is no such thing as Beatrice or Demian like in the novel. Or it may be that they are too complacent to find a stimulus point in a peaceful life. In this novel, the existence of Abraxas appears. I could feel Hermann Hesse's intention here to "get out of your peaceful daily life and leave for a new shell." This was written in the reply of the letter to Demian. "The bird fights its way out of the egg. The egg is the world. Who would be born first must destroy a world. The bird flies to God. That God's name is Abraxas." A guide to the self finally appears in front of Sinclair, who is about to break the egg and come out. Sinclair, who finds a guide but does not know exactly about it, begins exploring Abraxas in earnest. Abraxas exists at the point of contact that encompasses both the world of good and the world of evil. This is the direction of Sinclair's solution to what he was worried about. Through Abraxas, Sinclair begins to fully recognize his world to some extent. Thus, Sinclair developed his ego fully. He completely found his inner self. Reading this part, I also considered that reflection through the inside is the only way to put an end to my wandering, and I used to reach a conclusion by emphasizing only that. However, Hermann Hesse gave Sinclair a new task through the external element of war. It is said that self is not something that can be established inside, but something that constantly shakes us by combining external elements. As a result, I felt confused, and I couldn't fully understand the book because of the topic of war that suddenly appeared. Later, I referred to some interpretations of the work because I wanted to understand this book properly, and only then I could see what he was trying to say.

In order for an individual to grow independently, we have to be independent of many things that we relied on. Warm family, parents' arms, moral gods, dependable friends, and loved ones you want to lean on. However, to leave many of these things and stand alone, it takes not only the inner exploration and critical thinking of the self, but also other things. For example, external factors that cannot be helped by the power of the self, such as war, cannot be explained by the story of the inner self. To recognize a new world that cannot be explained by knowledge alone, the only way is -for the ego to constantly remove the shell of the old world and be reborn.

Whether or not you take your ego out of the shell depends on your efforts. I want to recommend this book to many people. This is because I want to give many people an opportunity to realize.

by Yoon Ji-Hun