



# Point of View

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## High-Tech Locust Breakthrough: Innovative Research Paves Way to Save Crops and Lives

by JIHOON CHOI



Image Source: Wikimedia Commons

Locusts even today are a problem to many countries: eating crops, taking away food supplies, and creating starving populations. If one could analyze the movement of the problem making locusts, these damages could be reduced by further alerting and preventing future attacks. “Even though locusts are a serious problem, not enough research is being done” says locust researcher, Iain Couzin. He had just met 110 locust researchers in Oxford.

Locust’s matrix is not what we think of as, like putting them to sleep and analyzing brain functions, but creating a trick environment in which locusts are put in a virtual 360 panorama and a sphere to walk on infinitely. The screen of the panorama consisted of virtual swarms of locusts, and the activity of the locust as shown in the picture above, was analyzed. Another method included actually implementing a chip in the spinal cord of a locust to actually analyze how it interprets the environment. Vast amounts of locust were also put in a big area where environments such as lights were mimicked, and each Locust was being tracked. This was to analyze big movements of how they avoid danger and eat their way through crops through environmental manipulation such as spreading crops and watching how they eat their way through them

If we were to be able to forecast the movement and the behavior of these Locusts, we could save billions of food and lives. Further research and experiments on big scales should be done to make this happen.

## Can Some Sunscreens Be Harmful?

by JAEHYUN JUNG

With the Summer break approaching, many have prepared a trip or made plans to go somewhere outside with their friends or families. One essential item for anyone to bring around would perhaps be the sunscreen. However, be wary that some of these sunscreens contain harmful materials and if applied might harm your skin instead of protecting it from the UV (ultra violet) lights.

Recently the EWG (Environmental Working Group) found out that 75% of sunscreens in store shelves contain harmful ingredients. The most harmful ingredient out of many is oxybenzone. Oxybenzone is an organic compound. It’s yellow colored and is soluble in most organic solvents. The reason why oxybenzone is such a harmful substance is because it causes hormone disruption, causation of skin allergies and is a hazardous eye irritant. Thankfully only 6% of sunscreens contain oxybenzone these days but there are still other harmful ingredients. It is advised to use sunscreens like the Solara Sun Care as a safe sunscreen product.

## Panda Diplomacy: Korea & Fu Bao

by SIOH PARK

Have you ever heard of the panda named Fu Bao? She is the first panda born naturally in Korea, in July 2020. We were able to watch Fu Bao and her family easily in Everland, but according to the Washington Naval Treaty, since China owns all pandas in the world and exports them by leasing them abroad, Fu Bao is also born in South Korea but is owned by the Chinese government.

When the panda reaches the age of 4, they must be returned to China; in 2025, when Fu Bao reaches approximately the age of 4, they will be returned to China. A lot of Korean fans expressed regret about this. According to zookeeper Kang, who raised Fu Bao in Everland, mentioned that it’s unfortunate, but he decided to return her because he wanted to support the happiness Fu Bao felt rather than the happiness humans felt

from watching Fu Bao. The Chinese community also supported the happiness which Fu Bao felt in Korea by adding a comment such as saying that they hope Fu Bao stays in Korea by maintaining her happiness.



Image Source: The Hindu

## How Can Physical Education Improve Your Studies?

by DAHEUN LEE

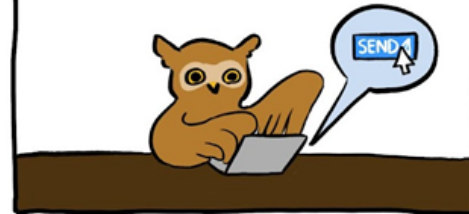
Physical education, often referred to as PE, is an academic subject taught in school or other educational institutions. Physical education usually involves many activities using your body such as, fitness, basketball, soccer, and many more different activities and sports. Although most of the students love PE for their enjoyable and no-stress characteristics, PE also has a benefit in improving your academic studies.

The first most significant reason why PE can improve your academic study is that they can reduce stress. Many students gain lots of stress due to hard school assignments and homework. According to Anxiety Disorders Associations of America, physical activity can reduce stress by producing endorphins that act as a painkiller to our body! Release of endorphins can also make you feel better and increase your sense of well-being. Due to PE, many students can have an enjoyable time to reduce stress by doing many physical activities using your body. The next reason why PE can be beneficial to your school studies is that they increase student's focus and attention. Many people believe that sports and physical activities might cause many students to lose their focus due to tiredness. However, a regular amount of physical activity can improve your attention by waking up the brain. Moving your body during the school day can increase your alertness and concentration, if you don't do it harshly until you get very tired.

Of course, sitting down at the desk and studying can improve your grades, but I hope many students realize that a regular amount of physical activity during your school day is very important for your academics and also for your healthy lifestyle. If you are too lazy to do some physical exercise or other sports outside of school, you can do some exercise to wake up your brain by taking PE class!

### HOW DID YOU PREPARE FOR CAPSTONE?

#### 1. THE QUICK ONES



#### 2. THE PROCRASTINATORS



#### 3. THE MISINFORMED ONES



Artwork by Lilly Kim

## The Third Nuri Rocket

by HYUNSEO KIM

Nuri rocket, also known as KSLV-II, is Korea's domestic rocket. The first launch of the Nuri rocket was done in 2021, second launch of the Nuri rocket was done in 2022, and on May 25th, 2023, 6:45 p.m., the third launch of the Nuri rocket was executed. Like the second Nuri rocket, the launch was successful. Originally, the launch was planned on May 10, 2023. However, it was delayed to May 24, 2023. Even so, due to technology problems, launch of the Nuri rocket was delayed once more to May 25, 2023.



Image Source: Hankyoreh

The Nuri rocket was designed to fly for 783 seconds, which is 13 minutes and 3 seconds, and reach an altitude of 550 kilometers, which was about 150 kilometers less than the second launch. Like the second launch of the Nuri rocket, the third launch was also done successfully. The main purpose of the Nuri rocket was to send satellites to space. The Nuri rocket contained a total of eight satellites within itself. When it arrived at the designed altitude, the satellites were spreaded one by one alternatively to left and right with a term of 20 seconds, so that the satellites would not encounter each other.

There will be fourth, fifth, and sixth launches, totaling three more launches of the Nuri rocket planned until 2027. Something different that occurred from the third launch was the private join of the company, and is planned to continue throughout the remaining launches.

## Why Are the Golden State Warriors So Bad Right Now?

by SEJIN TENNANT



Image Source: Marca NBA News

It seems to be that in the past few seasons, the Warriors were doing very poorly. About 2 years ago, the Warriors were doing very well! So how are the Warriors so bad now? Well, 2 years ago the team had its best players including Clay Thompson. But since Stephen Curry, another fundamental player, and Clay Thompson, are getting older and more prone to injuries, they replaced one of the star players Kevin Durant and replaced him with D'anjelo Russel, who isn't nearly as good as Kevin. They also had many injuries for their defensive players, which significantly lowered their defense ability, and lost their title of the second-best team for defense.

Hopefully, the GSW will make an amazing comeback in the next season and do better.

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## Man City Winning the UCL?

by MINSEOP CHIN

Man City's latest desire was to win the UEFA Champions league. However, Man City had been dropped from the champions league due to various reasons. Due to that, nonetheless Man City dominating the Premier League and casually winning trophies, they could not escape from criticism. The reasons why they weren't able to win the UCL in the past varied. One of them was because the squad depth wasn't stabilized enough regardless of other teams. Players like Rodri, who plays in the Central Defensive Midfielder position in Man City, had to be overworked due to the backup player Fernandinho being too old. Therefore, during the second half of the season, Rodri's form has declined unlike the first half. Furthermore, the goalkeeper position was also a problem for Man City. The GK position was in charge of a player named Ederson. Ederson, unlike his proficient footwork, couldn't save most of the shots that normal goalkeepers would have saved easily. In addition, Man City's manager Pep Guardiola's weird decisions in crucial games were one of the significant reasons Man City wasn't able to reach the UCL cup. For example, in the 20/21 season, Man City was having the UCL final with Chelsea. However, the starting lineup was slightly different from usual. He used Gundogan in the Central Defensive Midfielder position instead of players like Rodri or Fernandinho. Even though he is enabled to play in this position, his attacking ability was being shined more than any other midfielders in the team. Therefore, Man City wasn't able to escape from challenges and lost the chance to hold up the UCL cup.

However, this season is different. Rodri's backup player Kalvin Phillips has been added to the squad, and the center back John Stones has transformed to a CDM and has been showing great form recently. In addition, Ederson's savings has developed recently compared to the past. Even though Ederson

should do better in a team like Man City, his footwork is still a great merit that can still cover up his saving skills. Moreover, Pep Guardiola's weird decisions in critical games have significantly decreased this season. He has won 4:1 recently with Arsenal who is the competitor in the premier league title race. In this game, he completely won Arsenal without making dumb judgments. As a Man City fan, I wish this season could be the one to lift up the UCL cup.

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