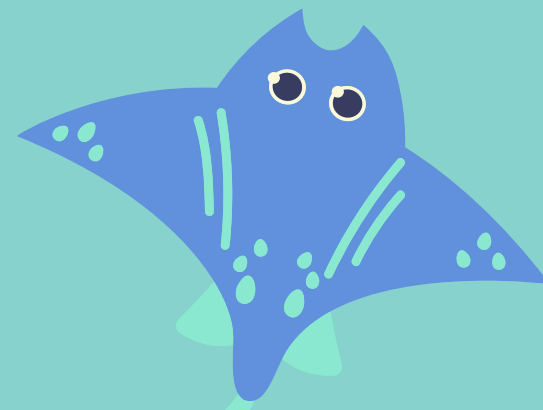




SDGS and My Major

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Overview



SDGs stands for Sustainable Development Goals.

They are 17 global goals set by the United Nations in 2015.

The SDGs aim to end poverty, protect the environment, and ensure peace and prosperity for everyone by 2030.

They include goals such as good health, quality education, gender equality, clean energy, and climate action.

The SDGs encourage countries, businesses, and individuals to work together for a better future.





My opinion about SDGs

In my opinion, the SDGs are very meaningful because they connect global goals with small actions in daily life.

In our project, we focused on how improper disposal of watercolor and chemical wastewater can cause water pollution.

The SDGs remind us that environmental protection is not only the responsibility of governments, but also something individuals and students can participate in through simple and practical actions.



6 CLEAN WATER AND SANITATION



I think SDG6, Clean Water and Sanitation, is relatively easier to achieve on a small scale.

In our project, we used a simple precipitation and filtration method to treat watercolor wastewater.

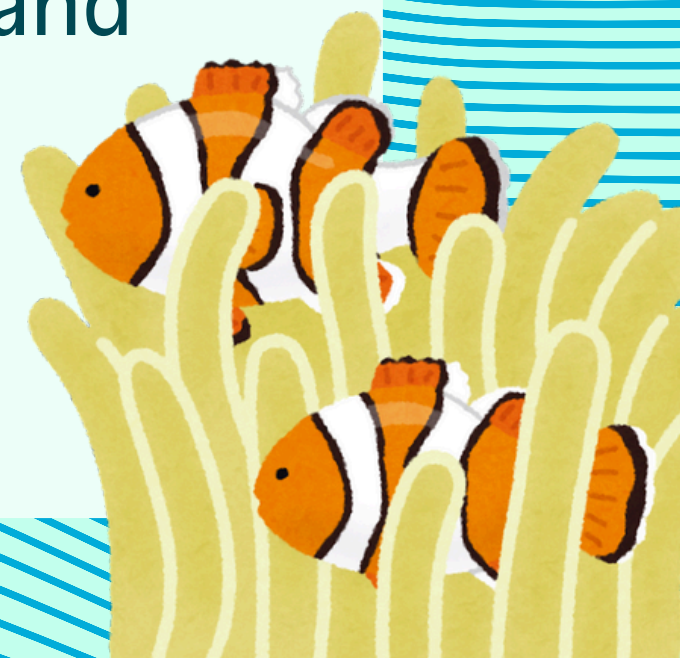
This shows that even low-cost and easy methods can reduce water pollution if people are willing to practice proper wastewater treatment.

12 RESPONSIBLE CONSUMPTION AND PRODUCTION



SDG 12 is also easier to achieve because it mainly depends on people's behavior. By choosing low-toxicity materials and handling waste properly, students can reduce environmental pollution in their daily lives.

Compared to large-scale problems like climate change, these goals can be achieved step by step through education, awareness, and individual actions.



SDGs could be achieved by 2030?

It seems to me that, achieving "all" of the goals by 2030 will be very difficult; current progress is at a level of "partial achievement" or "only a few achievements".

Why?

Why is it so difficult to "achieve all"?

Climate pressure:

Frequent extreme weather events make environmental targets (such as Goal 13) more difficult to achieve.

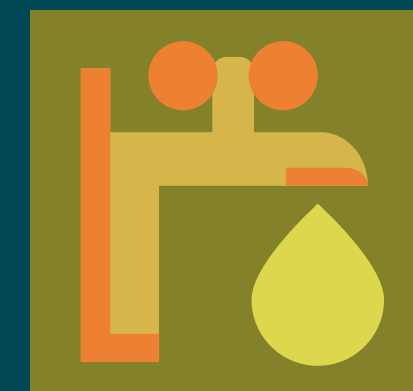


Multiple crises:

The pandemic (COVID-19) and geopolitical conflicts (such as the Russia-Ukraine war) have severely disrupted supply chains and economies.

Lagging progress:

Currently, only about 15% of the targets are ahead of schedule.



What areas have seen progress?

Renewable Energy:

The cost of green energy technologies has decreased significantly, and adoption rates have reached record highs.

Technology Adoption:

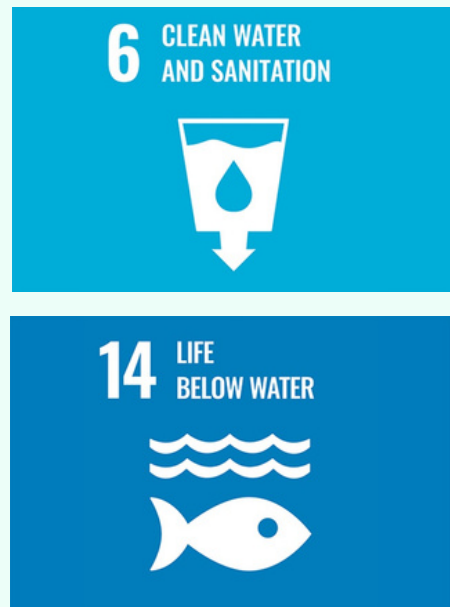
Mobile communication and internet coverage in remote areas has significantly improved.

Health Improvement:

Despite the impact of the pandemic, the global under-five mortality rate continues to decline.



What can we do to contribute to the SDGs?



Responsible Waste Treatment (SDG 6 & 14)

Improper disposal of wastewater, such as water used for cleaning paintbrushes, can lead to environmental pollution and affect water resources.



Sustainable Consumption (SDG 12)

- Select Eco-friendly Materials: Use water-based paints or those labeled "Low VOC".
- Avoid Toxic Elements: Choose products that do not contain heavy metals such as lead, chromium, cadmium, or arsenic.



Education and Community Outreach

Expanding the impact of these actions involves sharing knowledge with others:

- **Digital Advocacy:** Create and post educational videos on social media platforms like Threads or YouTube to raise public awareness about wastewater treatment.
- **Hands-on Teaching:** Guide younger students through simple experiments to help them understand the chemical principles behind water purification.
- **Promote Low-Cost Solutions:** Highlight that environmental action is accessible; for instance, the materials for wastewater filtration (aluminum sulfate and filter paper) cost only about 219 TWD.



My observations of SDGs in FJCU



SDG 3 - Good Health and Well-being

FJCU has an affiliated hospital (FJCU Hospital) Community Healthcare: FJCU Hospital provides professional medical services and regular health workshops for the local community.

Mental Health Support: The Student Counseling Center offers professional resources and "Mental Health Weeks" to support students' psychological well-being.



SDG 12 - Responsible Consumption and Production

Reducing Food Waste: Campus convenience stores (7-11, FamilyMart) implement "Late-night Discounts" for expiring food to minimize food waste.

Plastic Reduction: Many campus cafeterias offer discounts for students who bring their own reusable containers and utensils.



My observations of SDGs in FJCU

SDG 7 & 13 - Affordable Energy & Climate Action

Energy Efficiency: FJCU has replaced traditional lighting with LED systems and installed motion-sensor air conditioning in many buildings.

Renewable Energy: Solar panels have been installed on several rooftops (such as Guoxi Building) to generate clean electricity.

Carbon Footprint: These infrastructure upgrades significantly reduce the university's overall carbon footprint.



**We thank you
for your
continued
support in our
efforts to
contribute to
the SDGs.**

