Solar-Powered Recycled Fan

Environment Challenge Presentation
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Project Focus: ‘Waste Minimisation’
Plastic Kills!
Plastic Is Harmful!

One of the worst environmental effects of plastic:

- It is non-biodegradable.
- Takes about 1000 years to decompose.
Plastic Is Harmful!

- Disposing plastic into water risks the marine life.
- Soil fertility gets affected due to plastic waste.
- Burned plastic releases poisonous chemicals in the air.
Plastic Bottles Everywhere!
Our Own Recycled Fans!

SINGAPORE SMART SCHOOL of the FUTURE

Creating Opportunities • Leading Learning • Building Communities
Commercially Produced Fans
Sharing Our Experiences
Starting from scratch........
Starting from scratch.......
It was a SUCCESS!
Improvisation
Improvisation

LIVE DEMONSTRATION
Impact And Sustainability of Our Project
Impact on our Green Champions
What did I learn?

We are using and throwing too much plastics. Plastics are dangerous to us and the animals too.

~ Naqib
I learnt that using solar cells is not so simple. They are either too big or too small or not strong enough to move the motor. We had to try a number of times. I almost give up. Then, my friend encouraged me.

~ Ganeshwari
I enjoyed making the fan.

It was not easy putting the different parts together. But in the end, I feel proud that I was able to make something fun and play my part in contributing less ‘rubbish’ to the environment.

~ Hadifah
This is one of the best activity we did in Green Club. I feel good that I can make things using materials around me. I will try not to waste stuff. ~ Raine
Sharing by our Green Champions

Reduce your Carbon Footprint

Poster Sharing
How To Reduce Your Carbon

Demonstration –
Making Solar-Powered Recycled Fan

Sale of Upcycled items

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Impact on our School Community

Project Proposal: Making Recycled Fan
Level: Primary 4
Topic: Light Energy
Proposal: Modify fan to be used on caps. Caps can be used in P5 Camps, during NE Show and Learning Journeys.
Outreach to Community

Proposal:
Share of learning experiences with other family members or friends.
Conclusion
The 3Rs

REDUCE
Use only what you need

RECYCLE
Convert waste into useful products

REUSE
Re-use things for the same or new purpose
Waste minimization requires a concerted effort by every member of the society.
Synergy Partners Working Together

Stakeholders  School  Students  Community  School Partners

Singapore SMART School of the Future

Creating Opportunities • Leading Learning • Building Communities
Thank you for your attention!