



★ STAR OF THE WEEK ★

Wong Chun Onn is a jovial and spirited student. He makes lessons interesting for everyone by adding humour and fun. Being an active participant in class, his enthusiastic attitude towards learning shows in constantly improving grades. Furthermore, his imaginative and creative writing skills never fails to entertain the reader. Keep up the good work Chun Onn!



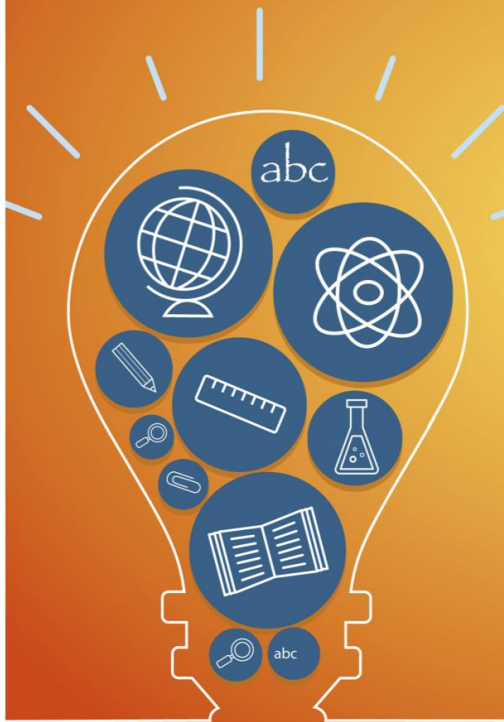
Wong Chun Onn
4 Respect

Semester 2 Week 24 & 25



Dear Parents and Guardians,

Greetings from Rafflesia!



We are now in our Week 7 of Movement Control Order. Reminding all parents and students to stay home, and stay safe. Reports show that COVID-19 is spreading at a fast rate but the numbers are still under control.

We continue our Virtual Classes as usual. Please be assured that we are doing our level best to ensure that our students are not deprived of their learning due to the pandemic. Teaching and revisions are all done through online platforms.

Our Form 5 students had just finished their SPM Trial 1 and now are back into action, learning and revising to prepare for their next SPM Trial 2 due in September.

Next week will be an interesting week for all Sekolah Menengah Rafflesia Kajang (SMKR) family members as we will launch our Virtual Sports Week for the very first time. We will update all Rafflesians on how to participate in the event. Stay tuned and check your inbox daily for updates.

On behalf of Rafflesia, do take care, stay healthy and enjoy some quality time with your family.

Madam Zainab Batin
Principal
Sekolah Menengah Rafflesia
Kajang



Geography : Structure of the Earth

The Earth Layer Project

Geography Form 1

It's time to journey into the centre of the Earth!

Fun activity by discovering the earth layers yet no digging is involved.

Form 1 students of Sekolah Menengah Rafflesia, Kajang learn the Earth Layers in Geography lessons focussing on the Earth science: the way our planet is structured, and what it's made up of. They did models, drawings and 3D models to aid their learning about the Earth's layers. They also learn that to save the Earth Planet they have to be eco-conscious and using only recycle materials from their recycle bins at home to create their models and drawings.





Geography : Structure of the Earth

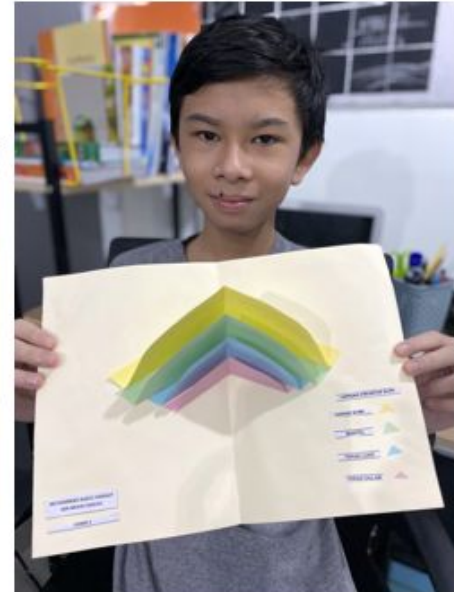
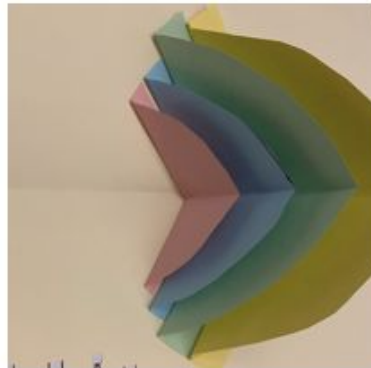
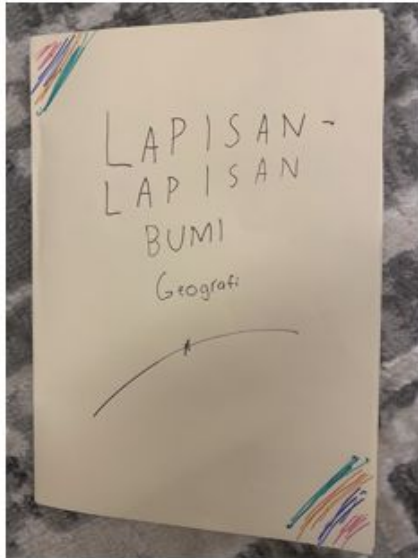
Nia Arianna Form 1 - Earth 3D Layer Project





Geography : Structure of the Earth

Aqeel Form 1- Earth 3D Layer Project





Geography : Structure of the Earth

Percival Tan Form 1 - Earth 3D Layer Project





Geography : Structure of the Earth

Ng Yong Seng Form 1 - Earth 3D Layer Project





Challenge Based Learning: Group 13

There are 6 members in this team headed by Loke Li Tong of Form 5R and her assistant, Nurul Adreanna Aleesya of Form 3. The team decided to do their research on food waste under the Big Idea, Sustainable Development Goals on Zero Hunger.

The team started their journey in March, 2021 and finally presented and completed all their challenges on 5th July, 2021. Congratulations to the team as they have presented well planned and interesting challenges to the virtual crowd!



Challenge Based Learning: Group 13

CBL - GROUP 13

Homepage

CBL

Data Collection ▾

Daily Journals ▾

More ▾



BIG IDEA : ZERO HUNGER

Zero Hunger is a goal of aiming people across the world not to go hungry. This might be caused with various factors such as poverty and lack of resources. This is a vital topic to be highlighted as there are still people in a part of the world whom are suffering from not having enough needs such as food meanwhile there are people in another part of the world are wasting so much food in a day.

Our aim is to create awareness among people on the importance of achieving zero hunger and minimizing food wastage starting from small group which are the rafflesia school students.





Challenge Based Learning: Group 13

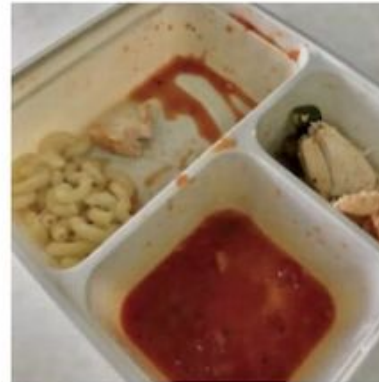
☰ CBL - GROUP 13 🔍

Methodology 1: **Observation**

My teammates and I observed food waste among students in school canteen area during lunch time as it would be the best time to observe and analyse food waste produced by students in general. We did observation for three weeks throughout school session. However, we faced limitation in implementing this methodology mainly because the school was conducted virtually for few months. So, as to strengthen our data collection and other methodology involved, we broaden our scope

☰ CBL - GROUP 13 🔍

Partial food waste




Most food waste



Challenge Based Learning: Group 13

☰ CBL - GROUP 13 🔍

and minimizing food waste starting from small group which are the rafflesia school students.




**CHALLENGES : TO RAISE
AWARENESS ABOUT ZERO HUNGER
IN SCHOOL**

Challenge 1 : *Nature of the country*

One of the biggest challenge that we would like

i discuss here is about the nature and

☰ CBL - GROUP 13 🔍



IMPLEMENTATION

There are few ways that can be implemented to reduce food waste regardless where we are. Major food waste can be seen in events and occasions when there are so much food left over. However, few years ago, a group known as food ranger offered the service to take left over food from big events after the events

i ended to be segregated to people whom live in poverty and donate food to homeless people.



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**SCHOOL EVENTS AND
ACTIVITIES**

**TRADITIONAL VALUES
GLOBAL VISION**



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July Virtual Talk Series

Virtual Talk 1:
“Knowledge is free,
Education is Expensive”

Date : 4.7.2021 (Sunday)

Time : 2-3.30 PM

Target Participant : Form 1 – 5 students

Venue : Google Meet



Speaker : Nelson Ng Jia Jun


- o Founder of ProjectEd.
- o Honored with Diana Award in 2020 with his involvement in community work
- o MEng in Aeronautics and Astronautics, University of Southampton Malaysia



Virtual Talk Series : Knowledge is Free, Education is Expensive

Example

1. What are your values & characteristics?
- Outspoken, Proactive, Friendly, Analytical, Empowerment
2. What do you like doing most when you're free?
- Rubik, Cube, Lego, Experiments (mostly failed), learn about airplane-related stuff
3. Who I want to serve with my skills & talents?
- People, I love the sense of flying & I hope everyone can fly too.
4. What are the potential careers you can find?
- Aerospace Engineer, Pilot, Air Steward, Lecturer, Researcher



Ivan Tong Yu ...	Grace Tan Si...	Nelson Jia ...	Muguunthan ...	Uma Rani a/...	Maizatul Hat...	Chia Xin Nee	Kai Lin Ng
Srinath A/L K...	Kavitha a/p A...	Ummi Fasyih...	Jong Siao Ch...	Percival Tan ...	Lee Ji Zheng	Jeevanan A/...	Ho Siew Wan
Chen Yi Xuan	Tan Mei Ying	Tan Qian Ying	Muhammad ...	Ivana Hadira...	Ker Jing Ru	6 others	You



STEM Week Challenge

Every week is a STEM Week for students at Sekolah Menengah Rafflesia Kajang. Students learn STEM as a subject at Rafflesia on a weekly basis. Students were taught the process of innovation and invention by using knowledge on Science, Mathematics, Technology and Engineering.

Recently, Form 2 students were challenged to improve a ready-made product into a product with better performance. They learn by doing research and apply the underlying science principles to improve basic working models. Kudos to the students as they are learning the skills in-depth about the process of Innovation!



JONG SIAO CHIEN

FORM 2



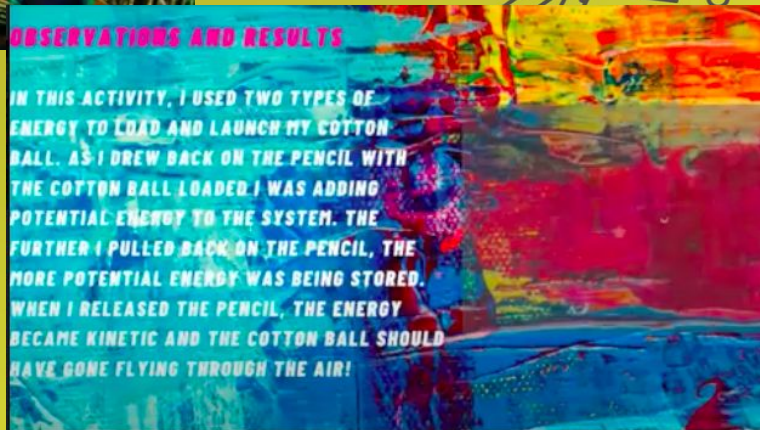
**My Cotton Ball
Launcher**

STEM Week Challenge

Cotton Ball Launcher

OBSERVATIONS AND RESULTS

IN THIS ACTIVITY, I USED TWO TYPES OF ENERGY TO LOAD AND LAUNCH MY COTTON BALL. AS I DREW BACK ON THE PENCIL WITH THE COTTON BALL LOADED, I WAS ADDING POTENTIAL ENERGY TO THE SYSTEM. THE FURTHER I PULLED BACK ON THE PENCIL, THE MORE POTENTIAL ENERGY WAS BEING STORED. WHEN I RELEASED THE PENCIL, THE ENERGY BECAME KINETIC AND THE COTTON BALL SHOULD HAVE GONE FLYING THROUGH THE AIR!





*My Robotic
Hand Design*



JONG SIAO CHIEN
FORM 2

STEM Week Challenge

Robotic Hand

My Challenge

1. I found that the movement of the robotic hand is not as active as a human hand.
2. The robotic hand is unable to carry a heavy object.



SOLUTION

1. The robotic hand can be replaced by a combination of *Electronic and Mechanical design.*
2. In order to carry a heavy object, the material cardboard can be replaced by *plastic or metal.*

Thank you

STEM Week Challenge

Robotic Hand





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From the Prefects Board

TRADITIONAL VALUES
GLOBAL VISION



LOKE LI TING
FORM 3



MY PLASTIC BOTTLE

WIND

STEM Week Challenge

Plastic Bottle Windmill

AS I FINISH OUR WIND TURBINE, LET'S TAKE A MINUTE TO REVIEW THE IMPORTANT PARTS.

- 1. BLADES THAT CATCH THE WIND (THE PLASTIC BOTTLES)**
- 2. A SPINNING BASE (THE THREAD SPOOL)**
- 3. A SHAFT TO CONNECT TO THE GENERATOR (OUR DOWEL ROD)**

GREAT JOB CREATING YOUR OWN WIND TURBINE. I CHALLENGE YOU TO GO OUT AND CREATE YOUR OWN UNIQUE WIND TURBINE WITH ITEMS FOUND AROUND YOUR HOUSE. MAKE SURE TO INCORPORATE ALL THE IMPORTANT PARTS NEEDED TO MAKE A WIND TURBINE!

**THANK
YOU**



LOKE LI TING
FORM 3



MY ZIPLINE RACER DESIGN

STEM Week Challenge

IF THE RACER IS FALLING OFF OF THE ZIPLINE DURING LAUNCH, THEN...

MAKE SURE TO GENTLY REST THE RACER ON THE LINE. IF THE RACER IS PULLED DOWNWARD ONTO THE LINE, THEN UPON RELEASE, THE LINE WILL SNAP UPWARD AND CAUSE THE RACER TO FALL OFF.

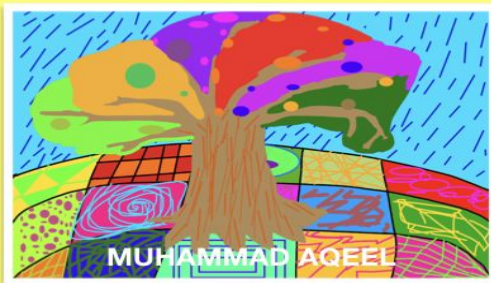
TRY CREATING A LARGER PAPER CUTOUT. THE PAPER CUTOUT ISN'T JUST FOR DECORATION: THE RUBBER BAND CAN CREATE A SUBSTANTIAL AMOUNT OF TORQUE (TWISTING FORCE). THIS FORCE TURNS THE PROPELLER, BUT IT CAN ALSO TURN THE FRAME UPSIDE DOWN! THE PAPER CUTOUT PREVENTS THE FRAME FROM FLIPPING OVER BY PUSHING AGAINST THE SURROUNDING AIR (CREATING DRAG).

Zipline Racer Design



Form 1

VISUAL ARTS: Texture Art



FORM 1 STUDENTS
CREATES TEXTURE
ART TO SIMULATE
ILLUSION OF
DIFFERENT
SURFACES. THEY
PRODUCED THE
ARTWORK USING
DIGITAL SOFTWARE.





Form 1

VISUAL ARTS: Texture Art





Parenting Tips : 30 Positive things that you can say to your children that contribute to healthy development

- That's a great question.
- I understand you.
- I'm grateful for you.
- We all make mistakes.
- Nobody is perfect.
- You can try again tomorrow.
- That was really brave.
- You're making a difference.
- I'm glad that you're here.
- Your words are meaningful.
- I love being your parent.
- You can say no.
- You can say yes.
- You are important.
- You are loved.
- You are helpful.
- I trust you.
- You're making a
- This family wouldn't be the same without you.
- Not everyone will like you, and that's okay.
- You don't have to be perfect to be great.
- I learn new things from you every day.
- Your friends are lucky to have you.
- I'm excited to spend time with you.
- You make me proud.
- Your opinions matter.
- I believe in you.
- I know you did your best.





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Announcement

**TRADITIONAL VALUES
GLOBAL VISION**



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**SEKOLAH MENENGAH
RAFFLESIA KAJANG**

Virtual Sports Week

*Be Active, Be
Healthy, Be
Happy!*



12th - 16th July, 2021
Google Meet Link
10 Challenges to complete
Parents are welcome to join !

Get Set & Go!



○ ***Important Reminders***

- **Sports Week**
12th - 16th July, 2021
- **Virtual Talk Series**
Topic : Stress Management
16th July, 2021
- **Virtual Talk Series**
Topic : Study Pathway for Art and Design Course
13th July, 2021
- ✦ **Mid Sem 2 Break 1**
17th - 25th July 2021
- **STEM Week**
2nd - 6th August 2021



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Weekly Challenge
“ Brain Teaser ”

TRADITIONAL VALUES
GLOBAL VISION

**There was a
plane crash in
which every
single person
was killed. Yet
there were 12
survivors. How?**



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Newsletter 2021

TRADITIONAL VALUES
GLOBAL VISION

THE BEST WAY TO
PREDICT FREE FUTURE IS TO
CREATE IT.
-ABRAHAM LINCOLN

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