



Cherries

The Official Newsletter of Billabong High International School - Kelambakkam
CBSE Affiliation No.1931190
GENIUS HOUR EDITION - ISSUE 114



WATER WORLD by Grade 5

Ms.Vaishanvi (Middle School Educator)

Genius Hour is a student-driven project that allows students to enhance their own passion and creativity. It allows students to explore their own curiosity through a self minister sense of purpose and study. Our educators gradually introduced the students to the idea of Genius Hour and they begin to let their ideas percolate.

Our 5th graders dedicated time to explore the passion and interest and chosen the topic “Water World” and demonstrated their understanding and mastery of the topic.

Genius hour gave them the opportunity to research about states of water, Sources of water, rainwater harvesting, desalination, wastewater treatment, water pollution, and water-borne diseases and figured out how important water is for our life on this planet and even built few models. The students showed their love for Science and Technology and gained knowledge through this learning and it channeled our students into an intrinsic desire to learn, achieve and effect change. Genius hour facilitated a culture of learning that our Billabongers will carry with them for their lifetime



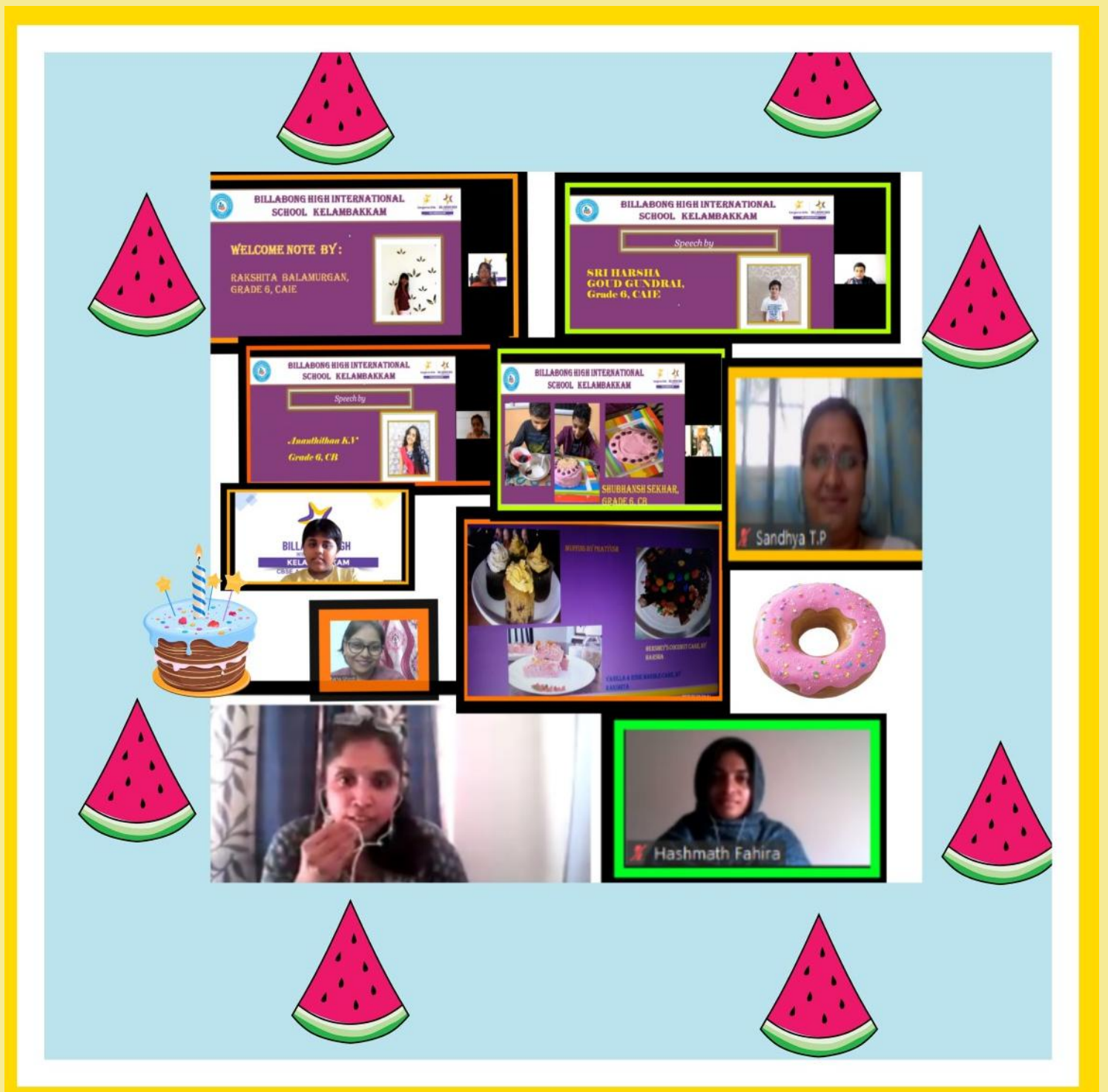
Bake-ology by Grade 6

Ms.Neha Gosh (English Educator)

Baking is always a fun thing to do, but have you ever asked yourself a question that if this process is only confined to the premises of fun and enjoyment?

Then the answer will be no. Why? Because, the process of baking is a passion for many, a matter of dedication to most, and a delicate work of art to the rest.

But for our little Billabongers, Baking was not only a project, it was their passion project which included their research on the origin of cake, history of cake, types of cake, and most importantly baking cake of ingredients that were never used before, such as, beetroot juice, KitKat, rosewater to name a few. On the occasion of Genius Hour, held on 22nd January 2021, the 6 graders showcased their skills and potential in baking and made everyone, witnessing the event, drool.



Endless Electricity - A Hope for the Future - By Grade 7

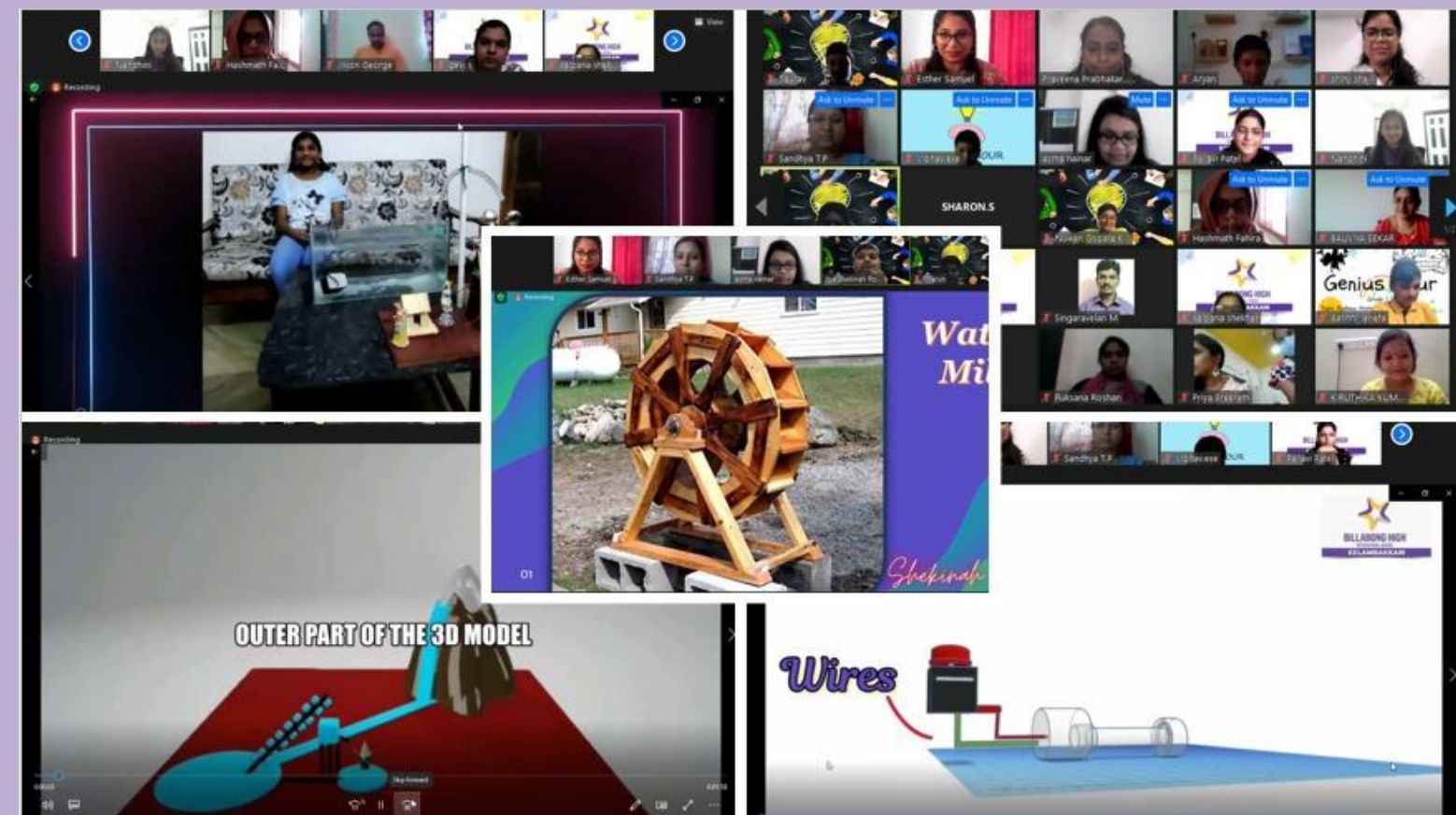
Ms. Ramani Esther (Middle School English Educator)

“Each one of us can make a difference. Together we make the change.” - Barbara Mikulski

It was an electrifying experience for the students of Grade 7 on January 23, when they unveiled their Genius Hour passion project to the school. The students had taken on a project that involved designing a water wheel that never ends, in order to generate unceasing electricity, for people suffering during pandemics and lockdowns.

The chosen project was based on the struggles with power outages, experienced especially during the Covid-19 pandemic. Therefore, a reliable power system was the need of the hour. This inspired the students of Grade 7 to come up with the idea of a water wheel to generate electricity relentlessly. The very relatable problem of engaging in online classes without proper power backup and internet was also a reason for their choice. Moreover, the students felt that they could give back to the community by coming up with a solution to power struggles, which would most likely be a major hindrance to productivity in the future as well.

The students created detailed 3D models of the water wheel as well as demonstrated the working of a live model. They also educated the spectators with their informative presentations and explanations of the economic impacts of power shortages, including a graph that showed the comparison between power consumption statistics before and after the lockdown in India. The students said that it was a great experience working with their team and doing research on the project. Moreover, they affirmed that they had learnt a lot from working on this project and are hopeful that electricity issues will someday be a thing of the past. So, it is time to look forward to a bright future without electricity issues, especially during pandemics or lockdowns.



Instant Rainwater Harvester by Grade 8

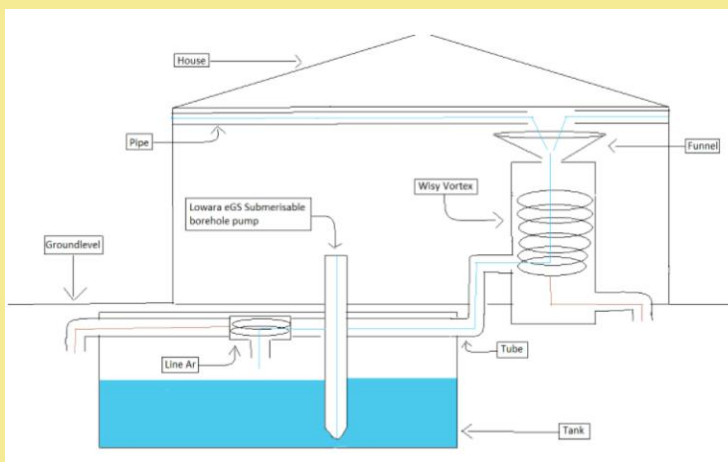
Nandhini Vijay (Grade 8 Student)

We, the students of grade 8, wanted to create a project that would benefit our community as a whole. An idea to create an instant rainwater harvester began to take form in our minds. Officially, we created a ppt that held our in-depth research and information.

We had presented our dream proposal - an instant rainwater harvester.

The picture below is a 2D model of what our system would look like. The blue line represents the rainwater and as you follow it, you will see the water will go through many pipes and filters. It will then be stored in a tank, and a pump will extract the water. It's up to the homeowner to decide how the water will enter the house.

We presented our dream idea to everyone at school and they were quite impressed. To make things even merrier, we got our first order to implement our proposal !! You have read it right !! We shall be soon implementing our Instant rainwater harvester in our very own school campus.



BHISK Garuda by the Techno Titans (Grade 9)

Theertha Madhu (Grade 9 Student)

We the 9th graders planned to build a drone for the Genius Hour Project. A drone is also called an Unmanned Aerial Vehicle or Uncrewed Aerial Vehicle (UAV). It is also called the quadcopter. It was a surprise for all of us to know that we as a team had the same aspiration. We then named our team the “Techno Titans”. We decided to construct a drone using refurbished materials without compromising on the efficacy of the device. We named our drone “BHIS-K Garuda”, because we had an objective in constructing this drone. After all our hard work, our efforts finally paid off. We were filled with joy after the success of the launch of BHISK - Garuda.

