SCIENCE WEEK REPORT

SCIENCE WEEK 25 Oct – 29 Oct. 2021

CLASS: IX

THEME: Fighting Covid with Science & Technology

Date – 25 October 2021

ACTIVITY: To make an automatic hand sanitiser dispenser/ water dispenser.

LEARNING OBJECTIVE: To understand the basic principle, working of automatic hand sanitiser dispenser, the basics of electric circuits, LDR (Proximity sensor), electric motor pump.

A BRIEF OF THE ACTIVITY: Students were explained the basic principles of an electric motor pump, proximity sensor, transistor, resistance & instructed how to make the machine.

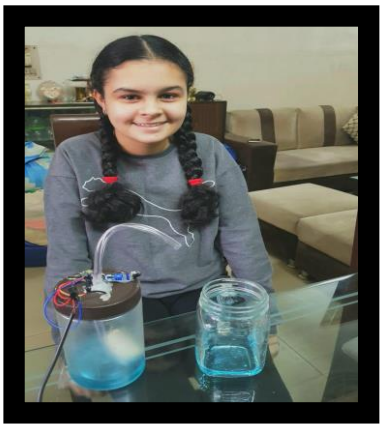
LEARNING OUTCOME: Our hands are exposed to an array of bacteria and viruses all through the day, thus washing and sanitising them will let you keep a lot of deadly diseases at bay.

Our initial point of contact with germs is often from the hands. Unfortunately, not many people wash or maintain the basic hygiene of their hands. Over time people have started emphasising more and more on maintaining personal cleanliness and hygiene. And the best way to keep viruses and bacteria at bay is, of course, by frequent hand washing. Using a sanitiser dispenser for this reduces your chances of getting sick in your inevitable daily interactions with people and germs. Hand sanitiser dispenser also is handy in water-scarce areas. Students understood the basic principle of working of Automatic hand sanitiser, its importance in maintaining hygiene & fighting with Covid & other diseases.

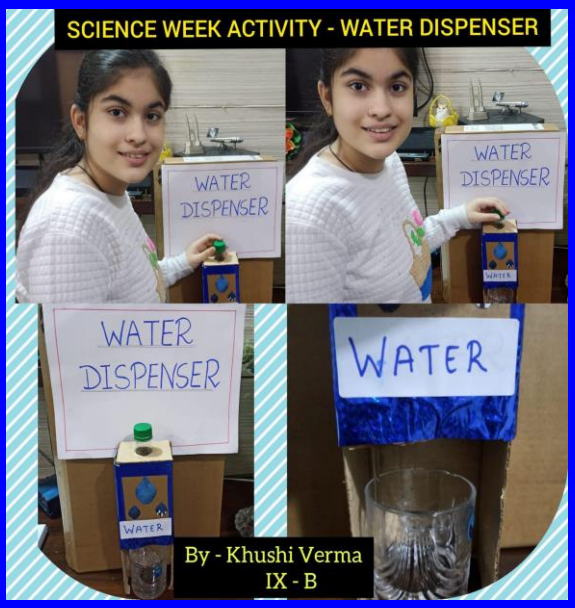
TEACHER COORDINATOR: Sunil Kumar

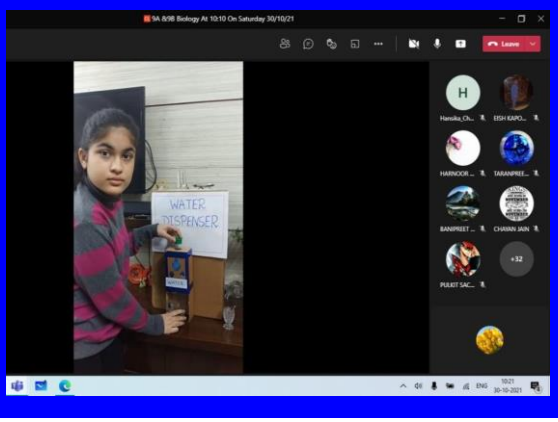
Science Week Video Gallery

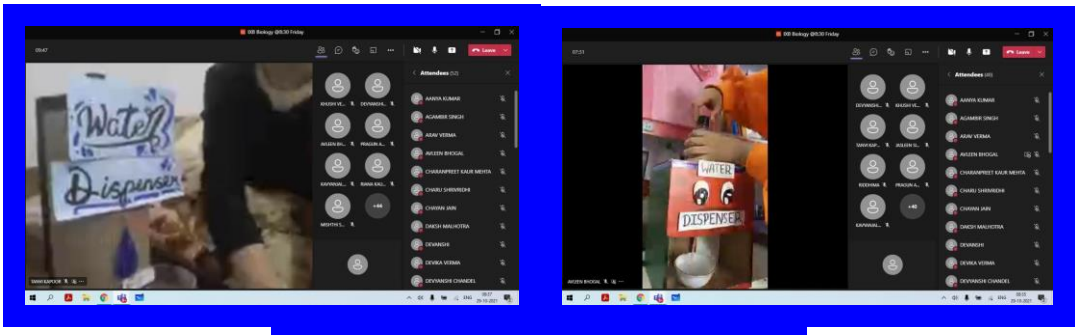
Click the images to watch videos of working of water dispenser/Hand sanitiser dispenser



Science Week Photo Gallery







CLASS VIII

Activity on the usefulness of microorganisms was conducted in class 8 during Science week. Students made PPT showcasing various uses of microbes like how microorganisms help us in the food sector. They are used for curdling of milk, preparation of bread, cake, etc. Microorganisms are used to prepare vaccines for various diseases. They are useful for the agriculture sector, as they enhance the fertility of the soil by fixing nitrogen. Students took part with a lot of enthusiasm. It was enjoyable for one and all.

Activity Coordinator : Shobha Bansal

CLASS: VII

THEME: Be an Investigator

Date-28 October 2021

ACTIVITY: To investigate the nature of foods we eat as acidic or basic by using natural homemade indicators.

LEARNING OBJECTIVE: Students will develop the skill of experimentation, observation and chemical analysis through this activity. They will be able to identify the characteristics of acidic and basic substances

A BRIEF OF THE ACTIVITY::Students were told to make natural indicators at home from different plant sources such as onion, hibiscus flower, turmeric etc. Then they tested various food samples present at their homes and were able to identify their basic and acidic nature.

LEARNING OUTCOMES: Students will be able to find out through simple tests whether the food is acidic or alkaline in nature. . This will enhance their knowledge about the natural/organic acids and bases present in food and also they will come to know how indicators can be made at home from different plants.

TEACHER COORDINATOR:Ms.Poonam Sagar Singh

CLASS: VI

THEME: SPECTACULAR SCIENCE-Let's Explore it

Date-27 October 2021

ACTIVITY: To construct the miniature of various scientific instruments of daily use.

LEARNINGOBJECTIVE:-Students will develop the skills of fabricating simple scientific devices.

A BRIEF OF THE ACTIVITY: Students were explained about the basic principles of electric motor, solar cooker and anemometer and instructed how to make these machines. Children choose the machine of their choice and constructed it.

LEARNING OUTCOMES: Students will be able to understand how to assemble the components of a device & become familiar with the application of the instrument.

TEACHER COORDINATOR: Ms.Poonam Sagar Singh

CLASS: V

THEME: The Foods we choose, Make a difference

DATE: 26 October 2021

ACTIVITY: Comparative Analysis of Nutritional content in processed food available in the market.

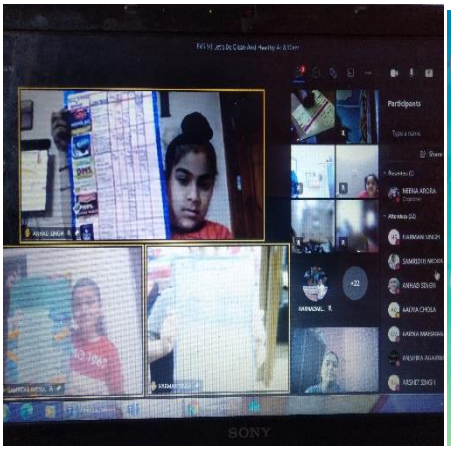
LEARNING OBJECTIVE: Students will investigate & analyze the nutritive value of various packaged food items, their shelf life (manufacturing and expiry date) used by them.

A BRIEF OF THE ACTIVITY: Students are supposed to compare the nutritional contents of the processed food in terms of Carbohydrates, Proteins, Fats, Vitamins and Minerals in different brand samples (ANY FIVE FOOD ITEMS) and present their findings in a tabular form.

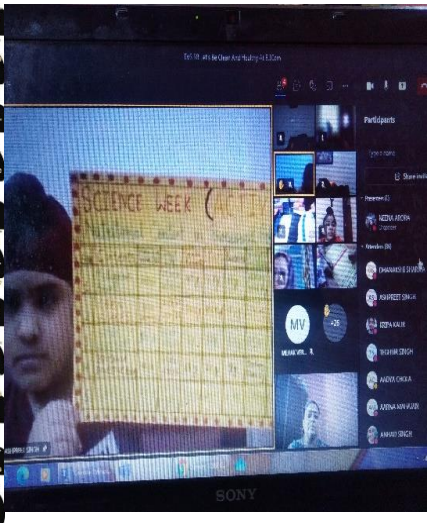
Food item	Brand	Contents				Nutritive value (%)	Shelf life	Remarks
		Carbohydrates	Fats	Proteins	Vitamins and minerals			

LEARNING OUTCOME: Students will learn to compare the nutritive value of various food items used by them. It will enable them to choose the right item of the food brand. This will enhance their knowledge about processed food items & develop their analytical skills.

TEACHER COORDINATOR: Ms Neena Arora





CLASS IV

EVERY LEAF SPEAKS BLISS TO ME

Activity – To investigate the various features of a leaf.

DATE: 25 October 2021

Learning Objective – Students will observe the variation in the Plant Kingdom based on leaves.

Brief of the Activity and Instructions Given to the Students Before Activity :

Students were told to collect three different kinds of leaves from different plants. They were guided to pick up fallen leaves and not pluck them. After that, they kept their leaves in the newspaper so that excess moisture can be removed from them. In the class, they were explained the various features to be observed in their leaf. They presented their observation in tabular form.

Learning Outcome – Students developed the skill of pasting and preserving the leaves. They also become familiar with the variations found in the leaves of different plants. Now they will be able to identify plants/trees by observing their leaves.

LEAF	OBSERVATION
	Name – Colour – Shape – Type of blade -
	Name – Colour – Shape – Type of blade -
	Name – Colour – Shape – Type of blade -

Teacher Coordinator: Mrs Acharandeep Kaur


Science Week Activity
SCIENCE WEEK ACTIVITY


Meeting in "EVS"
Participants
ALIYA KUMAR
MEHREEN K..
KHYATI S THAK...
AASHRYA THA...
JASHANPRE...
KARAM...
SAMRAT KA...
ACHARANDEEP KAUR
JAI SINGH
DARPES SINGH
HARSHIL VERMA
KARAMJOT KAUR
MEHREEN KAUR
SAMRAT KATHURIA
AASHRYA THAKUR
AHANA KAUR AHUJA
ALIYA KUMAR