



**TIMES
SCHOOL SURVEY
2019**
Ranked No. 1
as school leaders in Greater
Noida by the Times of India
Survey 2019



**PRAGYAN
SCHOOL**

WEEKLY CIRCULAR SENIOR

21st JANUARY 2022
(Cir/PS/36/2021-22)

INTER SCHOOL VIRTUAL PAINTING COMPETITION “CHITRAAYAN”

Pragyan School conducted an inter-school painting competition ‘Chitraayan’ on 20 Jan 2022. 110 Students of 40 renowned schools of NCR, Ajmer, Varanasi, Hisar participated in the event. The event consisted of three categories: “Kalantar” based on Kalamkari art, “Mystic muse” on the topic of my favorite personality, “Slice of life” on the topic song of the river. The competition was inaugurated by Principal Ms. Ruchika Sharma and the chief guest and the judge of the event, Dr. Rajesh Kumar Jangra, Painter, Sculptor, photographer, Limca book of record holder, working as a lecturer in Fine arts, Vidya Devi Jindal School, Hisar.



INTER SCHOOL VIRTUAL PAINTING COMPETITION "CHITRAAYAN"



MATHEMATICS ENRICHMENT ACTIVITY VI

Mathematics enrichment activity on the topic 'Ratio and Proportion' was conducted this week wherein the learners of grade VI concluded that if two ratios are equivalent, they are said to be proportional to each other or in proportion. The learners were given four different numbers according to their roll numbers and they applied the knowledge of four numbers in proportion to perform the activity. The learners showcased their creative skills and presented their activity in front of their classmates.



MATHEMATICS ENRICHMENT ACTIVITY VI



MATHEMATICS ENRICHMENT ACTIVITY VII

Students of Class VII have performed an Art Integrated Math Enrichment Activity on the topic PYTHAGORAS THEOREM. The theorem attributed to Pythagoras is that the square on the hypotenuse of a right-angled triangle is equal in area to the sum of the squares on the other two sides. Students performed this enrichment activity with great enthusiasm and excitement. It was a nice hands-on experience and it enriches mathematical skills and knowledge.



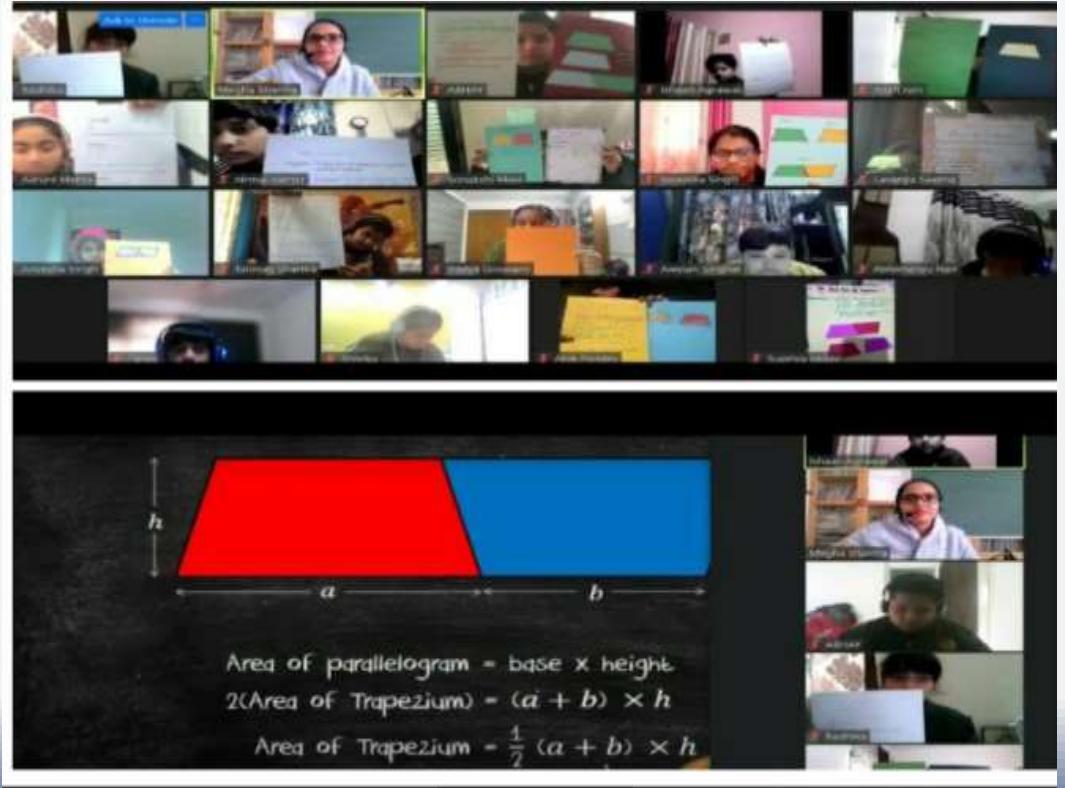
Area of big square = Area of small square + 4 x area of Δ

$$(a + b)^2 = c^2 + 4 \times \left(\frac{1}{2} \times a \times b\right)$$
$$a^2 + b^2 + 2ab = c^2 + 2ab$$
$$a^2 + b^2 = c^2$$

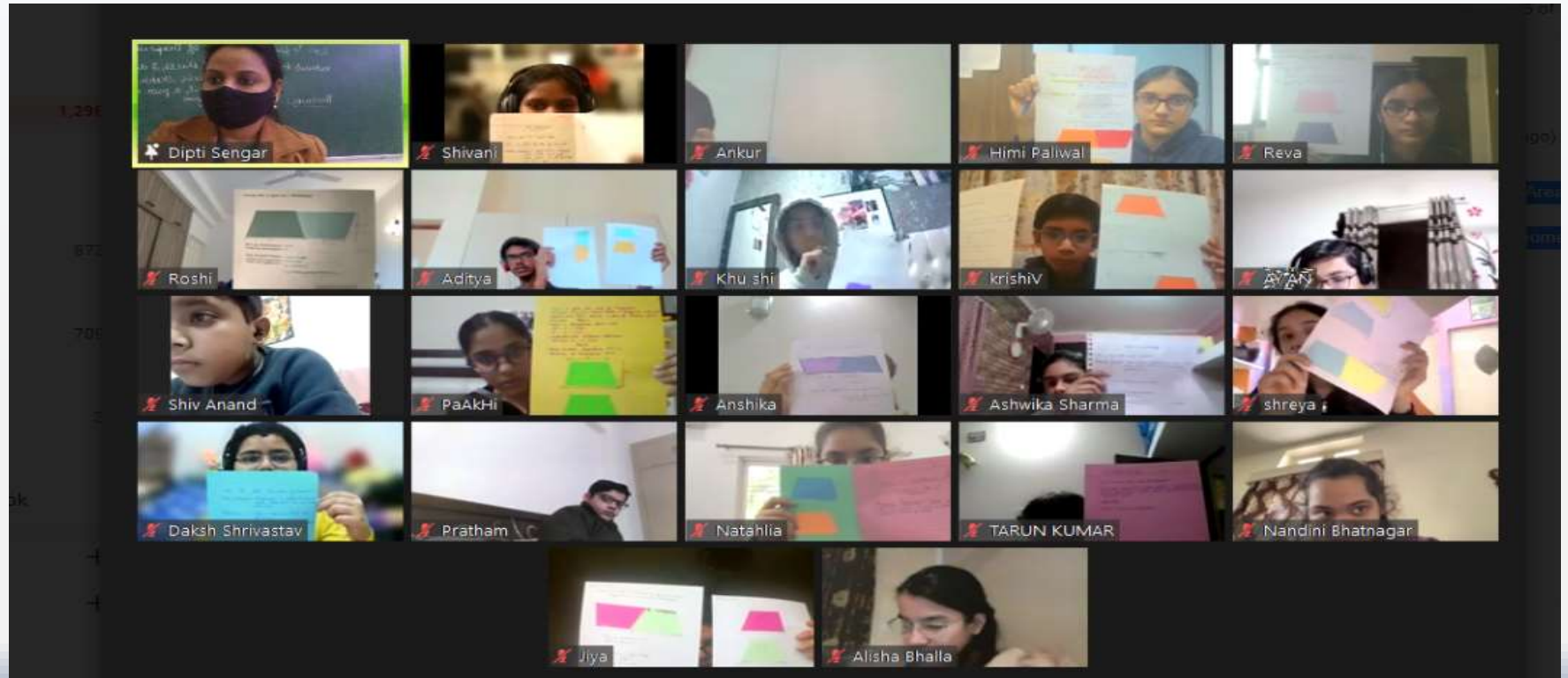
The diagram shows a large square with side length $a + b$. It is divided into a smaller square of side length c (the hypotenuse of the right-angled triangle) and four right-angled triangles with legs a and b . The side length a is labeled at the bottom, and b is labeled on the right side.

MATHEMATICS ENRICHMENT ACTIVITY VIII

Students of Class VIII have performed an Art integrated Activity, to find the area of Trapezium using paper cutting and pasting. They have proved that the area of trapezium can be derived from the area of a parallelogram. With this activity, students explored the area of a trapezium, and how they can work out the area of any trapezium. Overall it enriches their' geometrical skills and knowledge.



MATHEMATICS ENRICHMENT ACTIVITY VIII



MATHEMATICS ENRICHMENT ACTIVITY X

Students of class X presented their Mathematics Enrichment Activity on Tangents. They Explained how the length of the tangents drawn from an external point are equal using paper cutouts and threads. They also verified it Mathematically.



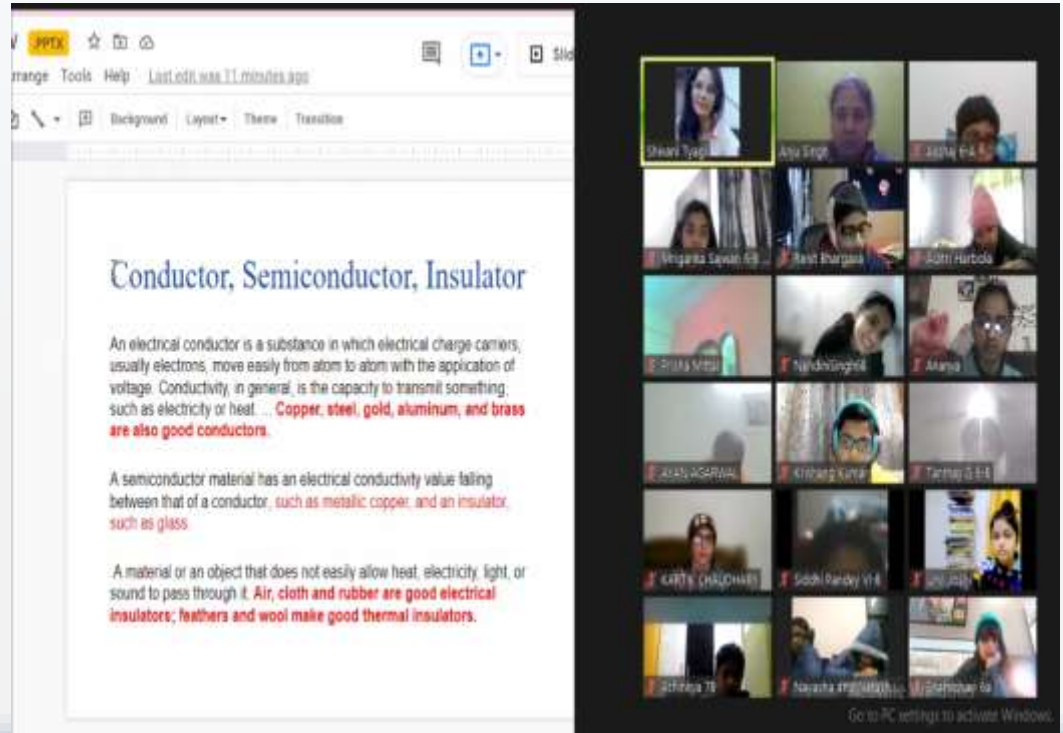
SANSKRIT ENRICHMENT ACTIVITY X

संस्कृत रचनात्मक क्रियाकलाप में कक्षा दशमी के छात्रों ने संस्कृत भाषा में विभिन्न विषयों पर आधारित आशु भाषण (Extempore) उत्तम तरीके से प्रस्तुत किया।



ATL ONLINE SESSIONS VI-XII

Atal Tinkering Lab Online Sessions have been organized this week for the students of classes VI-XII to enhance their scientific learning and ability to innovate. The basic concept of electronics like components of an electric circuit-resistor, battery, capacitor, transistor, etc was explained to the students along with hands-on practice using an ONLINE TOOL TINKERCAD. Students prepared simulations of basic electronic circuits using the tool.



The image shows a screenshot of a Tinkercad presentation slide on the left and a Zoom meeting grid on the right. The presentation slide is titled "Conductor, Semiconductor, Insulator" and contains the following text:

Conductor, Semiconductor, Insulator

An electrical conductor is a substance in which electrical charge carriers, usually electrons, move easily from atom to atom with the application of voltage. Conductivity in general is the capacity to transmit something, such as electricity or heat. ... **Copper, steel, gold, aluminum, and brass are also good conductors.**

A semiconductor material has an electrical conductivity value falling between that of a conductor, such as metallic copper, and an insulator, such as glass.

A material or an object that does not easily allow heat, electricity, light, or sound to pass through it. **Air, cloth and rubber are good electrical insulators; feathers and wool make good thermal insulators.**

The Zoom meeting grid on the right shows a 5x3 grid of participants. The top-left participant is highlighted with a yellow border. The bottom-right corner of the grid has a message: "Go to PC settings to activate Windows."

ATL ONLINE SESSIONS VI-XII

Start Simulating

Let's learn how to build a circuit along with the simulator!

9V

Color Code | Resistor ...

Resistor Color Codes: Insight on E...

Resistor Colour Code and Resistor ...

Digit	Number of Zeros	Tolerance
0	0	±1%
1	1	±1%
2	2	±1%
3	3	±1%
4	4	±1%
5	5	±1%
6	6	±1%
7	7	±1%
8	8	±1%
9	9	±1%

File: Resistor Color Code.svg - Wikipe...

Resistor Color Code Ba...

1st Digit 2nd Digit Multiplier

Black	0	0	x1
Brown	1	1	x10
Red	2	2	x10 ²
Orange	3	3	x10 ³
Yellow	4	4	x10 ⁴
Green	5	5	x10 ⁵
Blue	6	6	x10 ⁶
Violet	7	7	x10 ⁷
Grey	8	8	x10 ⁸
White	9	9	x10 ⁹
Gold			x10 ⁻¹
Silver			x10 ⁻²

Dr. Pia Narula

Adarsh Reshmi

Kuldeep Pathak

Rajani Gupta

WEBINARS

Ms Richa Palni attended the Initiative for Research and Innovation in STEM (IRIS) Virtual National Fair 2021-22. The fair included live sessions on diverse topics by individuals from National and International organizations; showcasing zone featuring 100 outstanding innovative, research-based STEM projects from 18 states and 37 cities, covering 20 subject categories. It was a great learning experience for a teacher to witness innovations from all over the world.



CBSE WEBINAR



Name of the teacher participant	Topic of the webinar
Ms Richa Palni	Promoting Mental Health Toy Based Pedagogy



SOCIAL CLUBS

CLASS VI- XII



- DEBATING AND JOURNALISM CLUB
- INTERACT CLUB
- HEALTH AND WELLNESS CLUB
- ECOLOGY CLUB

DEBATING AND JOURNALISM CLUB [VI- VIII]

Comic Strip Writing is a fun-filled activity. It includes cartoons and dialogues. It also allows them to create their own cartoons as a means of exploring a topical subject. Student members of the Debating and Journalism Club got an opportunity to create a comic strip on today's situation of Covid-19 or any topic of their choice. The students enjoyed the activity as it gave them a chance to present their creativity with a fun element.



DEBATING AND JOURNALISM CLUB [IX- XII]



On 22 Jan 2022, students from classes IX-XII deliberated on whether or not 'Artificial Intelligence is helpful for mankind.' This was looked at from several perspectives, and it was deemed that while it might be beneficial in certain fields, the general consensus was that Artificial Intelligence tends to lean more towards the harmful side leading to increased unemployment, a tendency to be open to software hacks, putting our personal information at risk, and the likes. Points were put across by all the participants. All in all, it was a very fruitful session.

INTERACT CLUB [VI- VIII]

" Education is the key to unlock the golden door of freedom". The club meeting began by probing the questions to the learners, "What is the meaning of education"?, "Why is education important"?. Videos were shown to the learners to elaborate on "What does education mean" to different people. They were made aware that 24th January is celebrated as " International Day of Education" and the idea behind celebrating this day. The learners took active participation in discussions on educational monuments and buildings in India. The learners have been asked to prepare for an open forum which will be conducted in the next club meeting to accolade and celebrate the " International Day of Education".

INTERACT CLUB [VI- VIII]

1. January 24th, is celebrated as "International Day Of Education", to promote the role of education for development.



INTERACT CLUB [IX- XII]

A goal without a plan is just a wish.

The Senior Instructors had a discussion regarding District Interact Goals and suggested some activities that can be taken up for the coming weeks in an online meeting held on Saturday 22nd January. They also had a discussion of ongoing projects, Each one Teach One, Project Sahas and gave their names for the registration of a **"Self Defence workshop for Young adults"** under Project Radha going to be organized by Rotaract club of Ashoka Artisans RID-3012 on 30th January.

Sector Gamma-1, Greater Noida



Interact Club
Rotary
District 3012



Manish Arora



District Goals 2021-22:

Divisions of the goals on the basis of the following heads:

- Webinar based
- Fundraisers and Drives
- Awareness Campaigns



EACH ONE TEACH ONE: INTERACT CLUB INITIATIVE

One of the objectives of the Interact Club, Pragyan School is to involve the student members to participate in usefully productive work to be confident, compassionate and helpful. We also strive to develop the students in such a way that they can seamlessly merge in the society and become aware of social realities.

To achieve such an aim, we have started '**Each one teach one programme**' in the month of December 2021 in collaboration with Robinhood Army. The aim of this programme is to help the partly literate and less privileged members of the society to learn whatever they can from the student members. To provide uninterrupted learning for these students in prevailing conditions of COVID, we started online classes. The Interact club President, Arihant of class 12A, and the Director Daria Khan of class 11A became their teachers and taught them the topics : Introduction of self and use of simple English in daily life..

EACH ONE TEACH ONE: INTERACT CLUB INITIATIVE



HEALTH AND WELLNESS CLUB [VI - VIII]



Student members of the Junior Health and Wellness Club presented facts and data on the OMICRON variant of COVID-19 in the club meeting on 22nd January 2022. Swastika Singh (8B), Ananya Deb (6B), Himi (8A), Ayan Bhatnagar (7C), Aryak Sahai (8A) presented their points effectively. Akash Tiwari (7C) had shared the posters on COVID-19, Khushi (8A) pasted the pamphlet in her society to spread the word. At the end of the meeting, fun games were played to enhance the students' mental ability.

HEALTH AND WELLNESS CLUB [IX - XII]



IDENTIFY ME.....



BIOLOGIST, THEORY OF NATURAL SELECTION



CO-FOUNDER MICROSOFT

Video call interface showing three participants.

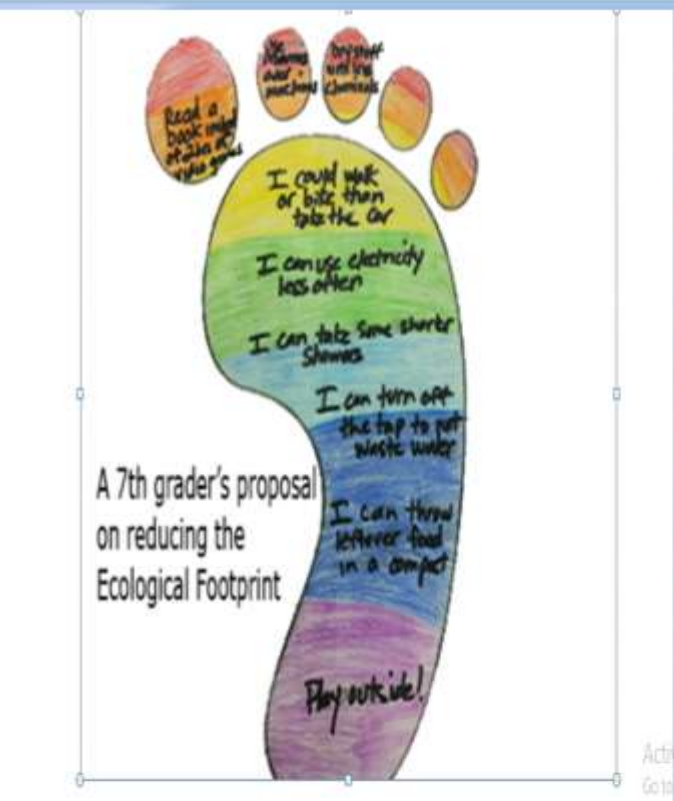
A Peaceful mind is a healthy mind & a way to happiness. With this thought, Health & Wellness club conducted activities with the students during the club meeting. An activity “Guess the Person” with clues was conducted & all club members participated. The discussion on further activities for the club was held among the members and the club captain Mansi Mavi.

ECOLOGY CLUB [VI - VIII]

Eco club Session started with an explanation of the meaning of carbon footprint, which was followed by the discussion on the impact of the carbon footprint on our environment, ways to reduce the carbon footprint were explained to the students through video clips shown to them. It was followed by an activity to calculate the yearly production of the carbon footprint of ten activities conducted by students on a daily basis. Altogether it was a fun activity session where children were made aware of their contribution to climate change.



ECOLOGY CLUB [VI - VIII]



A grid of video call windows from a Zoom meeting. The participants and their screens are:

- Aaron Tripathi (video)
- Siddharth Kumar (screen: 3193)
- Dr. Vibha Mahes... (screen: 1290)
- Neil Singh vi b (screen: 1256)
- lakshya singh (video)
- Shiven Kumar (video)
- Krishang Kumar (video)
- Shiven Kumar (video)
- Avni Bhati (video)
- Aaron Tripathi (screen: 2013)
- Anju Singh (video)
- Mamta Bhatt (video)
- ARNAV SAGAR (video)
- Shoujendra Pra... (screen)
- Aditri Harbola (video)
- Devasmita katiyar (video)
- Siddhi Pandey (video)
- Nishchay Kushwa... (screen)
- Avni Bhati (video)
- Eshika Dwivedi (screen: 2,373)
- Daksh Shrivastav (screen: 1604)
- Ritika Srivastava (video)

ECOLOGY CLUB [IX - XII]

The development and use of Sustainable Structures is becoming necessary keeping in view the rapid degradation of our Ecological system. Asia and its countries who have off late joined the bandwagon of development are now the major contributors to global warming. In the wake of reducing the effects, various technological experiments and studies are carried out. Students of Ecology Club were shown a few such examples of such experiments that in near future will help to build sustainable homes, offices, and buildings that will support the planet rather pushing it further towards destruction



HEALTH & WELLNESS CLUB



Healthy Lifestyle Tips

 Thank Thank someone and be appreciative toward your colleagues, every single day.	 Experience Experience new things, try stuff out, and let people run all kinds of experiments.
 Give Give something to another person or make it possible for others to offer gifts.	 Hike Hike outdoors, enjoy nature, and allow people an escape from the office and the city.
 Help Help someone who is in need of assistance, or enable colleagues to help each other.	 Meditate Meditate and get people to learn and adopt mindfulness practices.
 Eat Well Eat well, and make good, healthy foods easily available for everyone.	 Socialize Socialize, relate to other people, and make it easy for colleagues to develop connections.
 Exercise Exercise and work out regularly and make it easy for people to take care of their bodies.	 Aim Aim for a goal and get people to understand and realize their own purpose.
 Rest Rest well, sleep sufficiently, and enable colleagues to refresh their minds.	 Smile Smile whenever you can, appreciate humor, and get colleagues to engage in fun activities.

ECOLOGY CLUB



Use rechargeable
batteries

Alkaline batteries or nickel are highly polluting, using rechargeable batteries giving you less polluting less heavy metals to the environment.

A package of Duracell Supreme AAA batteries. The package is black and yellow, featuring the Duracell logo and the text "DURACELL SUPREME", "STRENGTHEN UP TO 1.5x more", "20% more power", and "NIMH". It also shows a small image of a battery and a device.



TIP OF THE WEEK



"Many believe that parenting is about controlling children's behavior and training them to act like adults. I believe that parenting is about controlling my own behavior and acting like an adult, myself. Children learn what they live."

LRKnost

